Docket No: 3350-031G Client Ref: BillPayG

REQUEST FORM FOR FILING A CONTINUATION APPLICATION UNDER 37 CFR 1.53(b)

Docket No: 3350-31G Client Ref: BillPayG

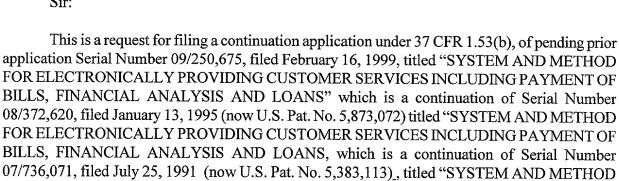
Total Pages: 59

Prior Application: S/N 09/250,675 Expected Art Unit: 2764

Expected Examiner: R. Weinhardt

Washington, D.C. 20231

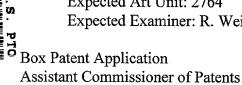
Sir:



FOR ELECTRONICALLY PROVIDING CUSTOMER SERVICES INCLUDING PAYMENT OF

BILLS, FINANCIAL ANALYSIS AND LOANS" by the inventor(s) named below

Schools to very and a Constant of Print of the	NAL I SIS AND LUANS	by the inventor(s) named below.		
INVENTOR	RESIDENCE	CITIZENSHIP	POST OFFICE ADDRESS	
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- 1. [X] Enclosed is a copy of the latest inventor-signed prior application, including a copy of the oath or declaration (4 pages) showing the original signature or an indication it was signed. I hereby verify that the papers are a copy of the latest signed prior application Serial No. 09/250,675. The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied, is considered as being part of the disclosure of the present continuation application and is hereby incorporated by reference therein. All statements made herein of my own knowledge are true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.
- 1a. [] Deletion of inventor(s) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- 2. [X] Please cancel claims 2-35.
- 3. [X] A Preliminary Amendment is enclosed.
- 4. [X] The filing fee is calculated on the basis of the claims existing in the prior application Serial No. 09/250,675 as amended at 2 and 3 above.

	No of Claims		Extra Claims	Rate	Fee
Total Claims	24	Minus 20	4	x \$18.00	\$72.00
Independent Claims	9	Minus 3	6	x \$78.00	\$468.00
Basic Application Fee				\$690.00	
If	multiple de	pendent cla	ims are presented,	add \$270.00	
Total Application Fee			\$1,230.00		
Subtract □ if small entity					
TOTAL APPLICATION FEE DUE			\$1,230.00		

- 5a. [] Enclosed is a Verified Statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.27.
- 5b. [] A verified statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.27 was filed in prior application Serial No. _______, the status is still proper and desired.

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- 6. [X] A check in the amount of \$1,230.00 is submitted herewith. The Commissioner is hereby authorized to charge any other fees under 37 CFR 1.16 and 1.17 which may be required, including any extension of time fees to maintain the pendency of the parent application Serial No. 09/250,675 or credit any overpayment to Deposit Account No. 12-0429.
- 7. [X] Amend the specification by inserting before the first line the sentence:
 --This application is a continuation of pending Application Serial Number 09/250,675, filed February 16, 1999, titled "SYSTEM AND METHOD FOR ELECTRONICALLY PROVIDING CUSTOMER SERVICES INCLUDING PAYMENT OF BILLS, FINANCIAL ANALYSIS AND LOANS" which is a continuation of Serial Number 08/372,620, filed January 13, 1995 (now U.S. Pat. No. 5,873,072) titled "SYSTEM AND METHOD FOR ELECTRONICALLY PROVIDING CUSTOMER SERVICES INCLUDING PAYMENT OF BILLS, FINANCIAL ANALYSIS AND LOANS, which is a continuation of Serial Number 07/736,071, filed July 25, 1991 (now U.S. Pat. No. 5,383,113), titled "SYSTEM AND METHOD FOR ELECTRONICALLY PROVIDING CUSTOMER SERVICES INCLUDING PAYMENT OF BILLS, FINANCIAL ANALYSIS AND LOANS".
- 8. [] Priority of foreign Application Serial No. ______ filed on _____, in ____, is claimed under 35 USC 119. The certified priority document(s) were filed in Serial No. ____, filed on _____.
- 9. [X] The prior application is assigned of record to: CheckFree Corporation
 4411 East Jones Bridge Road
 Norcross, Georgia 30092
- 10. [X] The power of attorney in the prior application is to: Alfred A. Stadnicki, Reg. No. 30,226
- 11. [X] <u>28</u> pages of specification; <u>4</u> pages of Declaration; and <u>7</u> sheets of informal drawings are enclosed.
- 12. [X] Also enclosed: Information Disclosure Statement; with PTO 1449 and Appendix A

Address all future communications to: Alfred A. Stadnicki
1146 Nineteenth Street, NW
Fifth Floor
Washington, DC 20009

13. [X] Two return receipt postcards are submitted herewith.

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It is understood that secrecy under 35 USC 122 is hereby waived to the extent that if information or access is available to any one of the applications in the file wrapper of a 37 CFR 1.53(b) application, be it either this application or a prior application in the same file wrapper, the Patent and Trademark Office may provide similar information or access to all the other applications in the same file wrapper.

Respectfully submitted

LALOS & KEEGAN

Alfred A. Stadnicki Registration No. 30,226

1146 Nineteenth Street, N.W. Fifth Floor Washington, D.C. 20036-3703 Telephone (202)887-5555 Facsimile (202)296-1682 Date: March 31, 2000

Docket No: 3350-31G PATENT Client Ref: BillPayG

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Kight et al. : Expected Art Unit: 2764

Rule 53(b) Continuation of

Serial Number 09/250,675,

filed February 16, 1999

: Expected Examiner:

: R. Weinhardt:

Filed: Concurrently Herewith

For: SYSTEM AND METHOD FOR ELECTRONICALLY PROVIDING

> CUSTOMER SERVICES INCLUDING PAYMENT OF BILLS,

FINANCIAL ANALYSIS AND LOANS

PRELIMINARY AMENDMENT

Honorable Assistant Commissioner for Patents Washington, DC 20231

Sir:

preliminary amendment directed to The is the 37 CFR 1.53(b) application, which accompanying is а Continuation of pending Application Serial

09/250,675, filed February 16, 1999. Prior to examination, please amend the above-identified application as follows:

IN THE TITLE

Please amend the title to read "BILL PAYMENT SYSTEM AND METHOD UTILIZING BANK ROUTING NUMBERS".

IN THE CLAIMS

Please cancel claim 1.

Please add claims 36-59 as follows:

--36. A method for processing consumer supplied banking information, comprising the steps of:

receiving from a consumer, via a network, a routing number associated with a financial institution at which the consumer maintains a deposit account; and

verifying that the consumer financial institution routing number received from the consumer is correct.

37. The method of claim 36, further including the steps of:

receiving a plurality of financial institution routing numbers from a plurality of financial institutions; and

storing the received plurality of financial institution routing numbers in a financial institutions file;

wherein verifying that the consumer financial institution routing number received from the consumer is correct includes comparing the consumer financial institution routing number received from the consumer to the financial institutions file.

38. The method of claim 37, further including the step of:

rejecting the consumer financial institution routing number received from the consumer if the consumer financial institution routing number does not correspond to the financial institutions file.

39. The method of claim 36, further including the steps of:

entering the consumer financial institution routing number into a computer system; and

verifying that the consumer financial institution routing number is entered correctly.

40. The method of claim 36, further including the steps of:

receiving a request to pay a bill associated with a merchant on behalf of the consumer;

processing the received request to determine if the consumer financial institution can process electronic fund transfers; and

processing the received request to generate an instruction to pay the bill by electronic fund transfer from the consumer deposit account if the consumer financial institution can process electronic fund transfers.

41. The method of claim 40, further including the steps of:

receiving a plurality of financial institution routing numbers from a plurality of financial institutions; and

storing the received plurality of financial institution routing numbers in a financial institutions file;

wherein processing the received request to determine if the consumer financial institution can process electronic fund transfers includes comparing the consumer financial institution routing number received from the consumer to the financial institutions file.

42. A method for paying bills, comprising the steps of:

receiving, via a network, a request to pay a bill associated with a merchant on behalf of a consumer and a routing number associated with a financial institution at which the consumer maintains a deposit account;

comparing the consumer financial institution routing number routing number to a database of financial institution routing numbers to determine if the consumer financial institution can process electronic fund transfers; and

processing the received request to generate an instruction to pay the bill by electronic fund transfer from the consumer deposit account if the consumer financial institution can process electronic fund transfers.

43. A method for determining if a financial institution can process electronic fund transfers, comprising the steps of:

receiving from a plurality of financial institutions a plurality of financial institution routing numbers;

storing the plurality of financial institution routing numbers in a database containing financial institution information; and

comparing a financial institution routing number associated with a financial institution to the database of financial institution information to determine if the

financial institution can process electronic fund transfers.

44. A system for processing consumer supplied banking information, comprising:

a network interface configured to receive from a consumer a routing number associated with a financial institution at which the consumer maintains a deposit account; and

a processor configured to verify that the consumer financial institution routing number received from the consumer is correct.

45. The system of claim 44, further comprising:

a storage device configured to store a plurality of financial institution routing numbers received from a plurality of financial institutions;

wherein the processor is further configured to compare the consumer financial institution routing number received from the consumer to the plurality of financial institution routing numbers stored in the storage device to verify that the consumer financial institution routing number received from the consumer is correct.

46. The system of claim 45, wherein the processor is further configured to reject the consumer financial institution routing number received from the consumer if the consumer financial institution routing number does not correspond to one of the plurality of financial institution routing numbers stored in the storage device.

47. The system of claim 44, further comprising:

a data entry device for entering the consumer financial institution routing number received from the consumer;

wherein the processor is further configured to verify that the consumer financial institution routing number is entered correctly.

48. The system of claim 44, wherein:

the network interface is further configured to receive a request to pay a bill associated with a merchant on behalf of the consumer; and

the processor is further configured to process the received request to determine if the consumer financial institution can process electronic fund transfers and to generate an instruction to pay the bill by electronic fund transfer from the consumer deposit account if the consumer financial institution can process electronic fund transfers.

49. The system of claim 48, further comprising:

a storage device configured to store a plurality of financial institution routing numbers received from a plurality of financial institutions;

wherein the processor is further configured to compare the consumer financial institution routing number received from the consumer to the plurality of financial institution routing numbers stored in the storage device to determine if the consumer financial institution can process electronic funds transfers.

50. A system for paying bills, comprising:

a network interface configured to receive a request to pay a bill associated with a merchant on behalf of a consumer and a routing number associated with a financial institution at which the consumer maintains a deposit account:

- a database of financial institution routing numbers; and
- configured processor to compare the consumer financial institution routing number to the database of financial institution routing numbers to determine if the consumer financial institution can process electronic fund transfers and to generate an instruction to pay the bill by electronic fund transfer from the consumer deposit account if the consumer financial institution can process electronic fund transfers.
- 51. A system for determining if a financial institution can process electronic fund transfers, comprising:
- a storage device configured to store a plurality of financial institution routing numbers received from a plurality of financial institutions; and
- a processor configured to compare a financial institution routing number associated with a financial institution to the plurality of financial institution routing numbers stored in the storage device to determine if the financial institution can process electronic fund transfers.
- 52. An article of manufacture for paying bills, comprising:
 - a computer readable medium; and computer programming stored on the medium;

wherein the stored computer programming is configured to be readable from the computer readable medium by a computer to thereby cause the computer to operate so as to:

receive from a consumer, via a network, a routing number associated with a financial institution at which the consumer maintains a deposit account; and

verify that the consumer financial institution routing number received from the consumer is correct.

53. The article of manufacture according to claim 52, wherein the computer readable medium is further readable to cause the computer to:

receive a plurality of financial institution routing numbers from a plurality of financial institutions;

store the plurality of financial institution routing numbers received from the plurality of financial institutions in a financial institutions file; and

compare the consumer financial institution routing number received from the consumer to the financial institutions file to verify that the consumer financial institution routing number received from the consumer is correct.

54. The article of manufacture according to claim 53, wherein the computer readable medium is further readable to cause the compute to:

reject the consumer financial institution routing number received from the consumer if the consumer financial institution routing number does not correspond to the financial institutions file.

55. The article of manufacture according to claim 52, where the computer readable medium is further readable to cause the computer to:

verify that the consumer financial institution routing number is entered correctly.

56. The article of manufacture according to claim 52, wherein the computer readable medium is further readable to cause the computer to:

receive a request to pay a bill associated with a merchant on behalf of the consumer;

process the received request to determine if the consumer financial institution can process electronic fund transfers; and

process the received request to generate an instruction to pay the bill by electronic fund transfer from the consumer deposit account if the consumer financial institution can process electronic fund transfers.

57. The article of manufacture according to claim 56, wherein the computer readable medium if further readable to cause the computer to:

store a plurality of financial institution routing numbers received from a plurality of financial institutions in a financial institutions file; and

compare the consumer financial institution routing number received from the consumer to the financial institutions file to determine if the consumer financial institution can process electronic fund transfers.

58. An article of manufacture for paying bills, comprising:

a computer readable medium; and computer programming stored on the medium;

wherein the stored computer programming is configured to be readable from the computer readable medium by a computer to thereby cause the computer to operate so as to:

receive, via a network, a request to pay a bill associated with a merchant on behalf of a consumer and a routing number associated with a financial institution at which the consumer maintains a deposit account;

compare the consumer financial institution routing number to a database of financial institution routing numbers to determine if the consumer financial institution can process electronic fund transfers; and

process the received request to generate an instruction to pay the bill by electronic fund transfer from the consumer deposit account if the consumer financial institution can process electronic fund transfers.

59. An article of manufacture for determining if a financial institution can process electronic fund transfers, comprising:

a computer readable medium; and computer programming stored on the medium;

wherein the stored computer programming is configured to be readable from the computer readable medium by a computer to thereby cause the computer to operate so as to:

receive from a plurality of financial institutions a plurality of financial institution routing numbers;

store the plurality of financial institution routing numbers in a database containing financial institution information; and

compare a financial institution routing number associated with a financial institution to the database of financial institution information to determine if the financial institution can process electronic fund transfers.--

IN THE ABSTRACT

Please delete the abstract in its entirety and substitute therefor the abstract attached hereto on a separate sheet.

REMARKS

is directed to the This preliminary amendment accompanying 37 CFR 1.53(b) application, which is a Rule 53(b) continuation of pending Application Serial Number 16, 1999, which is 09/250,675, filed February continuation of Serial Number 08/372,620, filed January 13, 1995 (now U.S. Pat. No. 5,873,072), which is a continuation of Serial Number 07/736,071, filed July 25, 1991 (now U.S. Pat. No. 5,383,113).

Claim 1 is pending in this application, claims 2-35 having been cancelled in the submittal of the Rule 53(b) continuation application. Claim 1 is cancelled by this preliminary amendment.

Claims 36-59 are added herein.

The title is amended to more fully describe the invention.

A new abstract has been submitted which better describes the invention to which the application relates.

No new matter is added by this preliminary amendment.

New claims 36-59 are directed to an innovative bill payment technique disclosed in the written description of the application as originally filed.

In view of the foregoing, it is respectfully submitted that the application is in condition for allowance and an early indication of the same is courteously solicited. The is respectfully requested to contact the undersigned by telephone at the below listed telephone number, in order to expedite resolution of any remaining issues and further to expedite passage of the application to issue, if any further comments, questions or suggestions arise in connection with the application.

To the extend necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 12-0429 and please credit any excess fees to such deposit account.

Respectfully submitted,
LALOS & KEEGAN

Alfred A. Stadnicki

Registration No. 30,226

AAS/SWC 1146 Nineteenth Street, N.W. Fifth Floor Washington, D.C. 20036-3703 Telephone: 202-887-5555 Facsimile: 202-296-1682

Date: March 30, 2000

SYSTEM AND METHOD FOR ELECTRONICALLY PROVIDING CUSTOMER SERVICES INCLUDING PAYMENT OF BILLS, FINANCIAL ANALYSIS AND LOANS

RELATED APPLICATIONS

This is a continuation of co-pending Application for United States Letters Patent Serial No. 08/372,620, filed January 13, 1995, which will issue as U.S. Patent No 5,873,072 on February 16, 1999, which was a continuation of co-pending application for United States Letters Patent Serial No. 07/736,071, filed on July 25, 1991, which issued as United States Patent No. 5,383,113 on January 17, 1995, each having the common assignee of the present invention and each incorporated herein by reference for all purposes.

BACKGROUND AND SUMMARY OF THE INVENTION

The present invention relates generally to apparatus and methods for paying bills. More particularly, the present invention is a computerized system for paying bills whereby a consumer may contact a single source from a remote location via a telephone, a computer terminal with modem, or other electronic means, to direct the single source to pay the consumer's bills instead of the consumer writing checks for each bill. A microfiche appendix has been submitted with the parent case of this Application Serial No. 07/736,071, which issued as United States Letters Patent No. 5,383,113 on January 17, 1995, which contains

the program code of the present invention and which in its entirety is incorporated herein by reference. An additional hard copy of the appendix is attached as Exhibit A.

It has been common for many years for consumers to pay monthly bills by way of a personal check written by the consumer and sent by mail to the entity from which the bill or invoice was received. Consumers have used other ways to pay bills, including personally visiting the billing entity to make a cash payment. In today's economy, it is not unusual for a consumer to have several regular monthly invoices to pay. Writing individual checks to pay each invoice can be time-consuming and costly due to postage and other related expenses.

A need exists for a method whereby a consumer can contact a single source and inform the source to pay various bills of the consumer, to have the source adjust the consumer's account with the consumer's financial institution (i.e., bank, credit union, savings and loan association, etc.) to reflect a bill payment, and to actually pay the billing entity a specified amount by a particular time. The system should be efficient and not unreasonably expensive and relatively simple for a consumer to interact with. Some banks have attempted to provide a service for making payment to a few billing entities to which the banks have established relations. The banks that do provide that type of service are limited in that they provide the service only for their own customers since the banks have not developed a system for accurately acquiring and processing account numbers and balances of customers of all other banking institutions and coordinating that information with bill payment.

Furthermore, banks have not developed a system for managing the risks involved in providing such a service and the inherent complexities of providing the service to consumers other than the bank's own customers. Therefore, a need exists for a single source bill payment system that would be available to any consumer, regardless of where the consumer banks and regardless of what bills are to be paid.

The present invention is designed to fulfill the above listed needs. The invention provides a universal bill payment system that works regardless of the consumer's financial institution and bill to be paid. The present invention provides a computerized system by which a consumer may pay bills utilizing the telephone, a computer terminal, or other electronic, data transmission means. Transactions are recorded against the consumer's account wherever he or she banks. The consumer may be an individual or a business, large or small. The present invention works regardless of where the consumer banks.

The method of the present invention includes: gathering consumer information and creating a master file with banking information and routing codes; inputting payment instructions by the consumer at a convenient location (e.g., at home), typically remote from the payment service provider, by using an input terminal such as a push-button telephone; applying the payment instructions to the consumer's file; using computer software of the present invention to examine various files to determine such things as what is the appropriate form of payment based on variables involving banking institutions and merchants; comparing each transaction against a dynamic credit file and routing based on set parameters;

and, if the payment system determines that everything is ready for payment to be made, adjusting the consumer's account (usually by debiting) and making payment directly to the billing entity. The single source service provider for consumer bill payment could be any entity with the capability to practice the invention as described hereinafter. The foregoing and other objects and advantages will become more apparent when viewed in light of the accompanying drawings and following detailed description.

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 is a diagrammatical representation of the creation of a consumer database;

Figure 2 is a diagrammatical representation of the establishment of a merchant's (billing entities) database and the making of payments;

Figure 3 is a diagrammatical representation of the creation of a consumer pay table;

Figures 4a is a diagrammatical representation of a payment processing cycle;

Figure 4b is a continuation of the diagram of Figure 4a;

Figure 4c is a continuation of the diagram of Figure 4b;

Figure 5 is a diagrammatical representation of a computer hardware system that may be used for accomplishing the present invention; and

Figure 6 is a diagrammatical representation of another computer hardware system that may be used for accomplishing the present invention.

DESCRIPTION OF PREFERRED EMBODIMENT(S)

Referring now to the drawings, Figure 1 illustrates the steps in the creation of a consumer database for use with the present invention. The first step in the process is to establish a consumer's data records on the system. This may be accomplished by the consumer completing an authorization form 20 which would contain the needed information to input into the system concerning the consumer. This information may include the consumer's name, address, telephone number and other applicable information. The consumer would also provide a voided check from the consumer's personal checking account. The consumer's information may then be manually input via a keyboard 52 into the consumer database record 22. Default amounts may be set for an individual credit line parameter and for a total month-to-date parameter. These amounts establish the maximum unqualified credit risk exposure the service provider is willing to accept for an individual transaction and for the collective month-to-date transactions of a consumer. As explained hereinafter, the service provider may be at risk when paying a consumer's bills by a check written on the service provider's account.

From the voided check, the consumer's bank routing transit and individual account numbers at an institution are input into the computer system. This information may be edited against an internal financial institutions file (FIF) database 24 of the present invention. FIF 24 is a database of financial institutions' identification codes and account information for the consumer. This file edits the accuracy of the routing transit number and the bank account

number. If the numbers do not correspond with the correct routing and bank numbers, they are rejected and the data entry is done again. FIF 24 in conjunction with the software of the present invention also updates the consumer database 22 for both electronic and paper draft routing and account information. The needed information may be obtained from each banking institution and each consumer.

The consumer is notified by the service provider of his or her local phone number access and personal security code for informing the service provider that a bill is to be paid. This information may be stored in a phone access table 26. The personal security code may be much like an ATM machine four digit code. In addition, to comply with federal law, an electronic pre-note 28 will be created to be sent to the consumer's bank to inform the bank that the service provider is authorized to debit the consumer's account. For further security to the service provider, a consumer credit record 30 may be obtained. The default credit limit amounts over which the service provider may be unwilling to assume financial risk may be modified based on the information obtained from the credit report 30.

In Figure 2 the steps are shown for establishing merchants to be paid and the making of a payment. The consumer must inform the service provider or processor of a merchant's name, address, phone number and the consumer's account number with the merchant 32. The term "merchant" as used herein is intended to pertain to any person or entity that the consumer wishes to pay and is not to be limited to the usual merchants most consumers pay, such as the electric company, a home mortgage lender, etc. This information is put into a

merchant master file database 42 (MMF). The consumer may also indicate whether the merchant is a variable or fixed merchant. A variable merchant is one in which the date and amount of payment will vary each month. A fixed merchant is one in which the date and amount remain the same each month. If the merchant is fixed, the frequency of payment may be other than monthly, such as weekly, quarterly, etc. The consumer should inform the service provider of the date on which the merchant is to be paid and the amount to be paid.

Through a telecommunications terminal 34 (e.g., a push-button telephone or computer terminal), a consumer may initiate payment of bills. Through the terminal, the consumer may access his merchant list and input the payment date and amount. The system may be provided with a payment date editor 36 to insure that the date is valid and logical (i.e., payment dates already in the past or possibly a year or more into the future would be questioned). As payments are initiated, a consumer "checkbook register" may be created and automatically updated to reflect this activity. The merchant list can be visible on the consumer's personal computer screen. On a personal computer a consumer may enter merchant payment amounts and payment dates on the computer screen and then transmit this information to the service provider.

By telephone, the list may be presented by programmed voice. The voice may be programmed to ask the consumer if a particular merchant (selected from the consumer's MMF, which may be updated from time to time) is to be paid and to tell the consumer to press 1 if yes, or press 2 if no. If yes, the voice may instruct the consumer to enter the

amount to be paid by pressing the numbers on a touch tone phone. The asterisk button could be used as a decimal point. After the amount is entered, the voice may ask the consumer to enter the date on which payment is to be made to the merchant. This may be accomplished by assigning each month a number, such as January being month 01. The consumer may then enter month, day and year for payment. The programmed voice may be accomplished with a VRU (voice response unit) available from AT&T or other vendors. It may communicate with a data processor to obtain consumer information. At the end of the consumer's session on the terminal a confirmation number may be sent to the consumer, providing a record of the transaction.

In Figure 3 the steps are shown for the creation of the consumer pay table 38 and making updates to it. The consumer's files may be received at the service provider on a front end processor 40 that interfaces with the telecommunications network. The consumer's records may be edited 44 for validity by comparing to the merchants' account scheme. Any new merchant records are added to the consumer's pay table. New merchants are compared to the MMF 42 and appropriately cross-referenced to the pay table to check if a merchant record already exists. If no merchant record exists, a merchant record will be created on the MMF 42.

Payment records may also be received on the service provider's processor. The payment may first go through a validation process against the pay table. The validation process checks for duplicate payments and if duplicates are found they are sent to a reject

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file. The validation process also verifies that merchants are set up and may check for multiple payments to be paid to a particular merchant. Orders for payment go to the consumer pay table to determine when the payment should be released and how it will be released for payment.

The service provider may pay merchants by a draft or check (paper) or by electronic funds transfer. To create a draft that will pass through the banking system, it must be specially inked. This may be accomplished by a printer which puts a micr code on drafts. like standard personal checks. For example, as shown in Figure 5, the front end processor 40 may be a DEC VAX which is connected to an IBM main frame 46 Model 4381. Consumers may call by telephone 35, a number that passes through the private bank exchange (PBX) 39 and contacts a voice response unit 41 in association with the front end processor 40. After the consumer's payment instructions are received an analysis is performed to determine the most cost effective and least risk mode of payment for the service provider to use. One preferred mode of payment is electronic funds transfer through the Federal Reserve Automated Clearing House (ACH) Network 47. If the service provider is not a bank, a bank intermediary may be needed to be connected to the Federal Reserve Network. Another payment mode is a charge to the consumer's credit card through the RPS Network 49. Additionally, an IBM Laser Printer attached to a micr post printer 48 may be used by the service provider to send drafts 76 or consolidated checks 78 to merchants. The main frame 46 has data storage means 50 and runs the FIF 24 and MMF 42 programs. It

may also have a tape drive or telecommunication interface for accomplishing electronic funds transfer. It should be recognized that various other hardware arrangements could be used to accomplish the present invention. Figure 6 illustrates a similar arrangement for use when the consumer is using a personal computer 37 to instruct the service provider. The personal computer may access the front end processor 40 through the standard X.25 Network 43.

Referring now to Figures 4a, 4b and 4c, the payment process is shown. The payment process may be cycled 56 each day or more or less frequently. The first step is to establish when payment items are to be processed. This may be accomplished through a processing calendar 58. A processing calendar 58 may be built into the system. The calendar 58 enables the system to consider each date, including weekends and the Federal Reserve holidays. Payments are released from the consumer pay table 38 using the due date. Any bank date, payments, or payments within a period such as four business days may be released the same day. All future payment dates would be stored in the consumer pay table 38. On-line inquiry may be made on the consumer pay table 38. The service provider has on-line capability to make changes to the consumer payment upon request until the day the payment is released. A consumer's merchant change may also affect the consumer's payment on the pay table 38.

The method of payment to the merchant may be either paper (draft or check) or electronic. There are several factors in the process used to determine if a payment will be

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released as a paper item, or an ACH electronic transaction (automated clearing house; service provider is a party to transaction). Each consumer may be assigned a status such as: active = good; inactive = bad; and, pending = uncertain, risky. If a consumer's status is pending 60, when reviewing the payment file with the processing calendar 58, the payment should go out as a draft paper to protect the service provider. When payment is made by draft, the service provider is not a contractual party to the transaction. The consumer's bank account codes are actually encoded onto the draft prepared by the service provider and act much like the consumer's personal check. The draft has been specially designed for this process. The draft is payable to either the service provider or the particular merchant. This allows the draft to be delivered to the merchant for payment and depositing, but allows the draft to be legally payable by the bank, with proper authorization. Additionally, posting information for the merchant is contained on the body of the draft. To the applicant's knowledge, it is the first time a draft has been used in such a manner and with this unique design to accomplish this. If the consumer's bank transit number does not indicate an electronic bank 62 (i.e., a banking institution that will accept electronic funds transfer), the program associated with FIF 24 sends the payment as a draft. A pre-note 28 is required any time 64 new banking information is entered on a consumer and the bank shows on FIF 24 as an electronic receiving bank. The pre-note period is ten (10) days under federal law. Any payments released during this period are sent as paper.

The third manner in which the service provider may pay bills is by a check written on the service provider's account. A consolidated check may be written if many customers have asked the service provider to pay the same merchant. Under this method of payment the service provider assumes some risk since the service provider writes the check on its own account. The service provider is later reimbursed by the (consumer's) banking institution.

As a means of minimizing risk to the service provider, any transaction may be compared to the MMF 42 credit limit. For example, if the check limit is greater than zero and the payment is \$50.00 or less 66, the item may be released as electronic 74 or by service provider check 78. If the payment is greater than \$50.00 but less than or equal to the merchant credit limit 68, the payment may be released as electronic payment 74 or check 78. Any payments within the merchant's credit limit 70 are added to the consumer's monthly ACH balance 72. This provides a monthly total billing day to billing day summary of the consumer's electronic payment activity. Any transaction may be compared to the consumer's database credit limit parameters. If a payment amount is greater than the consumer's credit limit, the item is released as a draft 76 which is written on the consumer's account. If the payment amount plus the total of electronic payments in a particular month is greater than the consumer's credit limit, the item is released as a draft 76. Items not released as paper are initiated as an ACH debit against the consumer's account.

The consumer database may be reviewed for proper electronic funds transfer (EFT) routing. Payment to the merchant may be accomplished one of three ways, depending on the

merchant's settlement code. Various merchant's settlement codes may be established. For example, a merchant set up with a settlement code "01" results in a check and remittance list 78 being mailed to the merchant. Merchants with a settlement code, such as "10" produce an ACH customer initiated entry (CIE). Merchants with a settlement code, such as, "13" produce a remittance processing system (RPS) credit.

In the consumer pay table, for fixed payments, a payment date gets rolled to the next scheduled payment date on the pay table. The number of remaining payments counter is decreased by one for each fixed payment made. For variable payments once made, the payment date is deleted on the consumer pay table. The schedule date and amount on the consumer pay table roll to zero. A consumer payment history may also be provided which show items such as process date as well as collection date, settlement method, and check number in addition to merchant name and amount.

The software of the present invention is designed in part to make several decisions relating to particular transactions for consumers. The following example is provided to more fully describe the software. This example is not intended to limit the application to the details described in the example and is only provided to further enhance the description of the invention already stated above.

For this example, assume that a consumer has five transactions of varying amounts for which the consumer has asked the service provider to arrange payment. For simplicity, assume that the five payments are to be made on the same day. First, the consumer database

22 is edited to validate the status, banking institution, and pre-note flags associated with the consumer's requested payments. The account numbers provided by the consumer for the merchants to be paid, are also checked to determine if they are valid. Assuming the merchant account numbers are valid, the program begins with the first dollar analysis.

For purposes of this example, the five payments the consumer has requested are in the amounts of: \$25.00; \$75.00; \$150.00; \$250.00; and \$1,000.00. The program will consider each dollar amount individually as it goes through the various edit modes. The first edit may be called a \$50.01 edit. In this example, any transaction that is less than \$50.01 is automatically sent as an ACH debit to the consumer's account. This means that the service provider uses ACH to electronically transfer funds from the consumer's account to the service provider's clearing account.

In this example, the initial payment of \$25.00 will satisfy the \$50.01 edit and therefore will be paid without any further edits being conducted for this particular payment. Continuing with the example, the next edit may be a merchant dollar edit that is established for the specific merchant to which the transaction is being sent. For purposes of this example, this edit is set at \$100.00 for all merchants. Different dollar edits can be incorporated for different merchants. In the example, the second payment request of the consumer, for \$75.00, meets the \$100.00 merchant edit parameter and is sent as an ACH debit to the consumer's account. Note that the \$75.00 payment would not have satisfied the

\$50.01 edit and therefore would have passed on to the second edit which in this case, is the merchant dollar edit.

The remaining three payments in the example exceed both the \$50.01 edit and the merchant \$100.00 edit and therefore, go to the next edit. In the example, the next edit is for a consumer individual transaction limit set at \$200.00. The \$150.00 payment is less than the \$200.00 consumer individual transaction limit and is, therefore, sent as an ACH debit to the consumer's account and paid. The other two remaining payments yet to be made exceed the \$200.00 limit in this example and pass to the next edit.

In the next edit, which happens to be the last edit in the example, the consumer's month-to-date "unqualified" risk limit is checked. In the example, the month-to-date limit is set at \$1,500. Assume that for this particular consumer \$400.00 of month-to-date payments have already been made on the consumer's behalf. Added to the \$400.00 would be the three payments made above for \$25.00, \$75.00 and \$150.00. So an additional \$250.00 is added to the \$400.00 month-to-date for a total of \$650.00 "unqualified" risk for the current month-to-date amount. The next payment to be made is for \$250.00 and would fall within the \$1,500 month-to-date limit when added to the current \$650.00 risk amount. Therefore, the \$250.00 payment is made and an ACH debit is sent to the consumer's account. This brings the total month-to-date "unqualified" risk amount to \$900.00. The final \$1,000 payment has not been paid and would send the "unqualified" risk amount over \$1,500 when added to the \$900.00. Since the final payment of \$1,000 in the example fails the consumer

month-to-date limit edit, the \$1,000 payment would be sent as a paper draft directly drawn on the consumer's account, and for which the service provider has no liability. In the example, the final step would be updating the consumer month-to-date current total to \$900.00.

The apparatus for and method of bill payment of the present invention and many of its attendant advantages will be understood from the foregoing description. It will be apparent that various changes may be made in the form and steps thereof without departing from the spirit and scope of the invention or sacrificing all of its advantages.

WE CLAIM:

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1. A method of paying bills using a computer, comprising the steps of:
receiving a request to pay a bill of a particular merchant on behalf of a
particular consumer;

selecting a payment type from a group consisting of a first payment type and a second payment type; and,

directing payment of the bill using the selected payment type.

- 2. The method of claim 1 wherein the first payment type is an electronic funds transfer and the second payment type is selected from a group consisting of a draft and a check.
- 3. The method of claim 2 wherein the step of selecting a payment type further includes the step of searching a database of merchant information, the database including an indicator of payment type corresponding to each of a plurality of merchants including the particular merchant.
- 4. The method of claim 3 wherein the indicator of payment type includes a merchant's bank routing number.

- 5. The method of claim 2 wherein the step of selecting a payment type includes the step of evaluating the amount of the bill to be paid.
- 6. The method of claim 2 wherein the step of selecting a payment type includes the step of searching a database having deposit account numbers, each representing a respective deposit account maintained at one of a plurality of associated financial institutions by a plurality of consumers including the particular consumer, to identify the deposit account number of the particular consumer, and the step of directing payment of the bill includes the step of preparing a draft written on funds in the deposit account represented by the identified deposit account number.
- 7. The method of claim 2 wherein the step of selecting a payment type includes the step of searching a database having deposit account numbers, each representing a respective deposit account maintained at one of a plurality of associated financial institutions by a plurality of consumers including the particular consumer, to identify the deposit account number of the deposit account of the particular consumer, and the step of directing payment of the bill includes the step of initiating an electronic funds transfer of funds in the deposit account represented by the identified deposit account number.

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	8.	The method of claim 7 wherein the step of selecting a payment type
further inclu	ides the	step of searching a database of merchant information, the database
including a l	ank rou	ting number corresponding to each of a plurality of merchants including
the particula	r merch	ant.

9. The method of claim 1 wherein the step of directing payment of the bill comprises the steps of:

searching a database having deposit account numbers, each representing a respective deposit account maintained at one of a plurality of associated financial institutions by a plurality of consumers including the particular consumer, to identify the deposit account number of the deposit account of the particular consumer; and

paying the bill from funds in a deposit account other than the deposit account represented by the identified deposit account number.

10. The method of claim 9 further comprising the step of:

transferring funds in the amount of the bill from the deposit account of the particular consumer to the deposit account from which the bill payment was made.

1	11. The method of claim 2 wherein the step of directing payment of the
2	bill includes the step of preparing a check written on funds in a service provider's deposit
3	account.
1	12. The method of claim 2 wherein the step of directing payment of the
2	bill includes the step of initiating an electronic funds transfer from funds in a service
3	provider's account.
1	13. The method of claim 1 further comprising the steps of:
2	determining if the request to pay the bill is a duplicate of a previous request;
3	and,
4	terminating the request if the request is a duplicate request.

14. A method of paying bills using a computer, comprising the steps of:
receiving an instruction to pay a bill of a particular merchant on behalf of a
particular consumer;

searching a database having deposit account numbers, each representing a respective deposit account maintained at one of a plurality of associated financial institutions by a plurality of consumers including the particular consumer, to identify the deposit account number of the deposit account of the particular consumer;

9	directing payment of the bill by the type of payment selected from funds in													
10	the identified deposit account.													
1	15. The method of claim 14 wherein the step of selecting a payment type													
2	includes the step of comparing the amount of the bill to be paid to a predetermined amount.													
1	16. The method of claim 14 wherein the step of selecting a payment type													
2	includes the step of identifying a payment type indicator associated with the particular													
3	merchant.													
1	17. The method of claim 16 wherein the step of identifying a payment													
2	type indicator associated with the particular merchant includes the step of searching a													
3	merchant database having a payment type indicator associated with each of a plurality of													
4	merchants including the particular merchant.													
1	18. The method of claim 14 further comprising the steps of:													
2	receiving a deposit account number representing a deposit account maintained													
3	at one of a plurality of associated financial institutions by a particular consumer;													

selecting a payment type; and,

storing the deposit account number in a database of deposit account numbers;

comparing a particular consumer's deposit account number in the deposit account number database with the particular consumer's deposit account number in a financial institutions database to determine if the consumer's deposit account number in the deposit account number database is correct; and,

correcting the deposit account number if the deposit account number in the deposit account number database is not correct.

- 19. The method of claim 14 wherein the step of selecting a payment type further comprises the step of selecting a payment type from a check written on funds in a deposit account other than the deposit account represented by the identified deposit account number, a draft written on funds in the deposit account represented by the identified deposit account number, and an electronic funds transfer of funds in the deposit account represented by the identified deposit account number;
- 20. A method of electronically paying bills, comprising the steps of:
 receiving a request to pay a bill of a particular merchant on behalf of a
 particular consumer;

selecting a payment type from the group consisting of a draft, a check, and an electronic funds transfer; and,

directing payment of the bill using the selected payment type.

21. The method of claim 20 wherein the step of selecting a payment type further includes the step of searching a database of merchant information, the database including an indicator of payment type corresponding to each of a plurality of merchants including the particular merchant.

- 22. The method of claim 21 wherein the indicator of payment type includes a merchant's bank routing number.
- The method of claim 20 wherein the step of selecting a payment type includes the step of evaluating the amount of the bill to be paid.
- 24. The method of claim 20 wherein the step of selecting a payment type includes the step of searching a database having deposit account numbers, each representing a respective deposit account maintained at one of a plurality of associated financial institutions by a plurality of consumers including the particular consumer, to identify the deposit account number of the particular consumer, and the step of directing payment of the bill includes the step of preparing a draft written on funds in the deposit account represented by the identified deposit account number.

25. The method of claim 20 wherein the step of selecting a payment type includes the step of searching a database having deposit account numbers, each representing a respective deposit account maintained at one of a plurality of associated financial institutions by a plurality of consumers including the particular consumer, to identify the deposit account number of the deposit account of the particular consumer and the step of paying the bill includes the step of initiating an electronic funds transfer of funds from the deposit account represented by the identified deposit account number.

- 26. The method of claim 25 wherein the step of selecting a payment type further includes the step of searching a database of merchant information, the database including bank routing numbers corresponding to each of a plurality of merchants including the particular merchant.
- 27. The method of claim 26 wherein the step of directing payment of the bill comprises the steps of:

searching a database having deposit account numbers, each representing a respective deposit account maintained at one of a plurality of associated financial institutions by a plurality of consumers including the particular consumer, to identify the deposit account number of the deposit account of the particular consumer; and

7	paying the bill from funds in a deposit account other than the deposit account												
8	represented by the identified deposit account number.												
1	28. The method of claim 27 further comprising the step of:												
2	transferring funds in the amount of the bill from the deposit account of the												
3	particular consumer to the deposit account from which the bill payment was made.												
1	29. An article of manufacture, comprising:												
2	a computer readable medium; and												
3	computer software stored on the computer readable medium, the computer												
4	software comprising a set of instructions directing a computer to perform the steps of:												
5	receiving a request to pay a bill of a particular merchant on behalf of												
6	a particular consumer;												
7	selecting a payment type; and,												
8	directing payment of the bill using the selected payment type.												
1	30. An article of manufacture, comprising:												
2	a computer readable medium; and												
3	computer software stored on the computer readable medium, the computer												
4	software comprising a set of instructions directing a computer to perform the steps of:												

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receiving an instruction to pay a bill of a particular merchant on behalf of a particular consumer;

searching a database having deposit account numbers, each representing a respective deposit account maintained at one of a plurality of associated financial institutions by a plurality of consumers including the particular consumer, to identify the deposit account number of the deposit account of the particular consumer;

selecting a payment type; and,

directing payment of the bill by the type of payment selected from funds in the identified deposit account.

31. A system for paying bills using a computer, comprising:

means for receiving a request to pay a bill of a particular merchant on behalf of a particular consumer;

means for selecting a payment type; and,
means for directing payment of the bill using the selected payment type.

32. The system of claim 31 wherein said means for selecting a payment type comprises means for selecting a payment type from the group consisting of a draft, a check, and an electronic funds transfer.

1	33. A system for paying bills using a computer, comprising:
2	a communications apparatus for receiving a request to pay a bill of a particular
3	merchant on behalf of a particular consumer; and,
4	a computer processor operatively connected to the communications apparatus
5	for selecting a payment type and directing payment of the bill using the selected payment
6	type.
1	34. A system for paying bills using a computer, comprising:
2	a communications switch operatively connected to a network for receiving
3	a request to pay a bill of a particular merchant on behalf of a particular consumer;
4	a computer processor operatively connected to the network for selecting a
5	payment type and directing payment of the bill using the selected payment type.

35. The system of claim 34 wherein the payment type is an electronic funds transfer and the computer processor is operatively connected to a second network in communication with an automated clearing house for initiating payment of the bill by the electronic funds transfer.

COLUMBUS/0510170.01

ABSTRACT

A computerized payment system by which a consumer may instruct a service provider by telephone, computer terminal, or other telecommunications means to pay various bills without the consumer having to write a check for each bill. The system operates without restriction as to where the consumer banks and what bills are to be paid. The service provider collects consumers' information, financial institutions' information and merchant information and arranges payment based on a financial risk analysis to the merchants according to the consumers' instructions.

ABSTRACT

A system and method for paying bills which uses bank routing numbers. A service provider receives a bank routing number from a consumer, the routing number belonging to the bank at which the consumer maintains a deposit account. The service provider verifies that this received routing number is correct. The verification includes comparing the received routing number to a database of routing numbers which the service provider has obtained from banks.

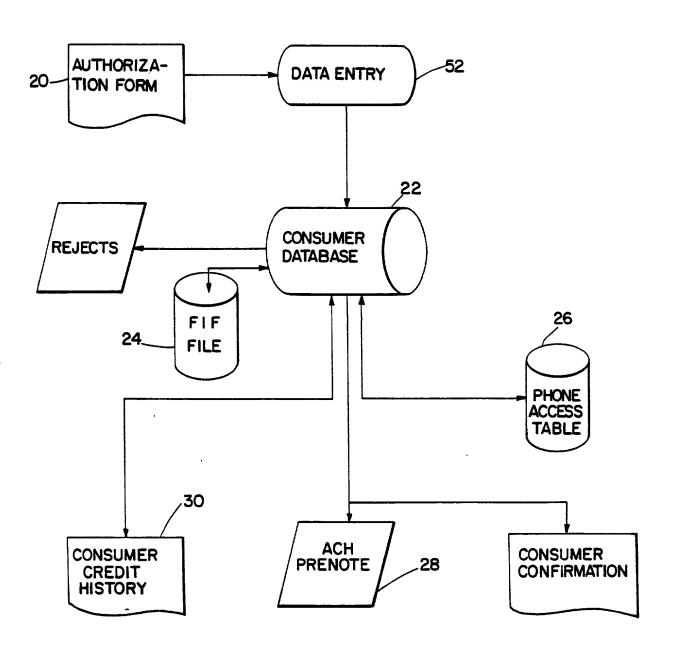


Fig. 1

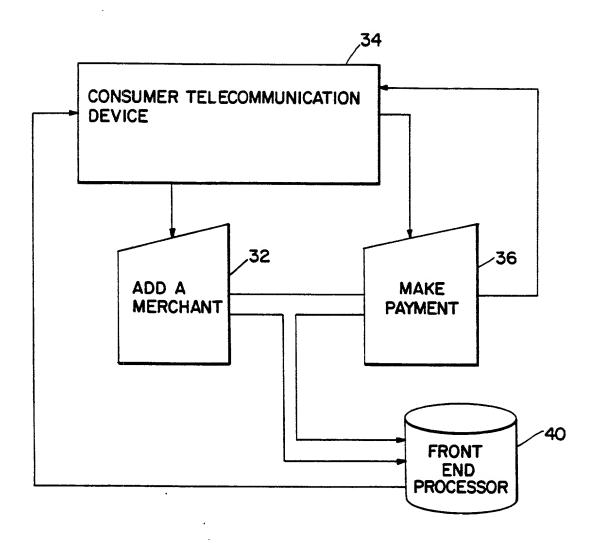
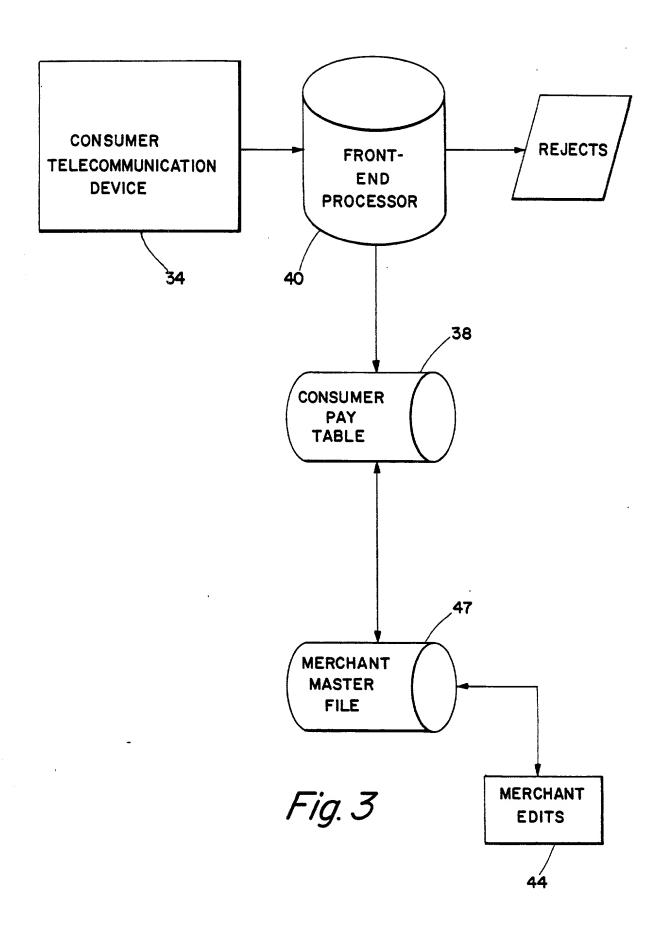
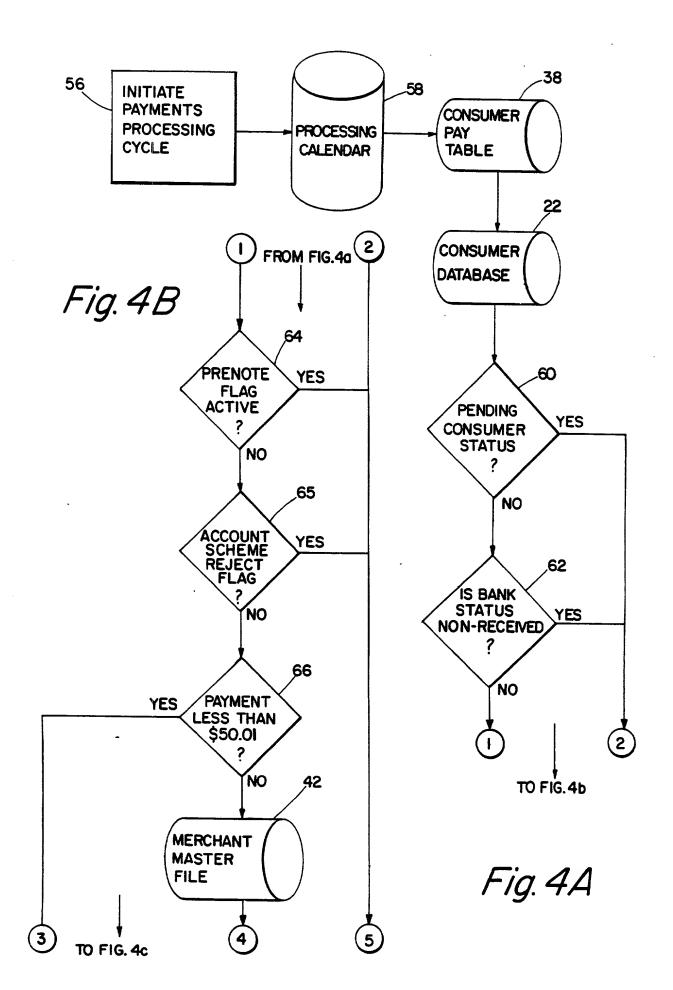
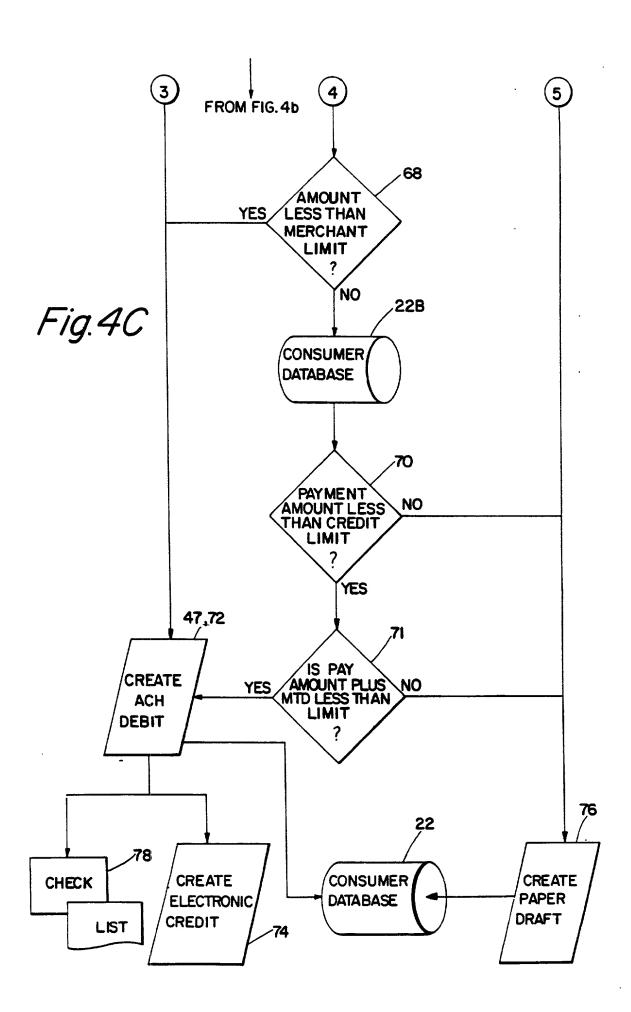
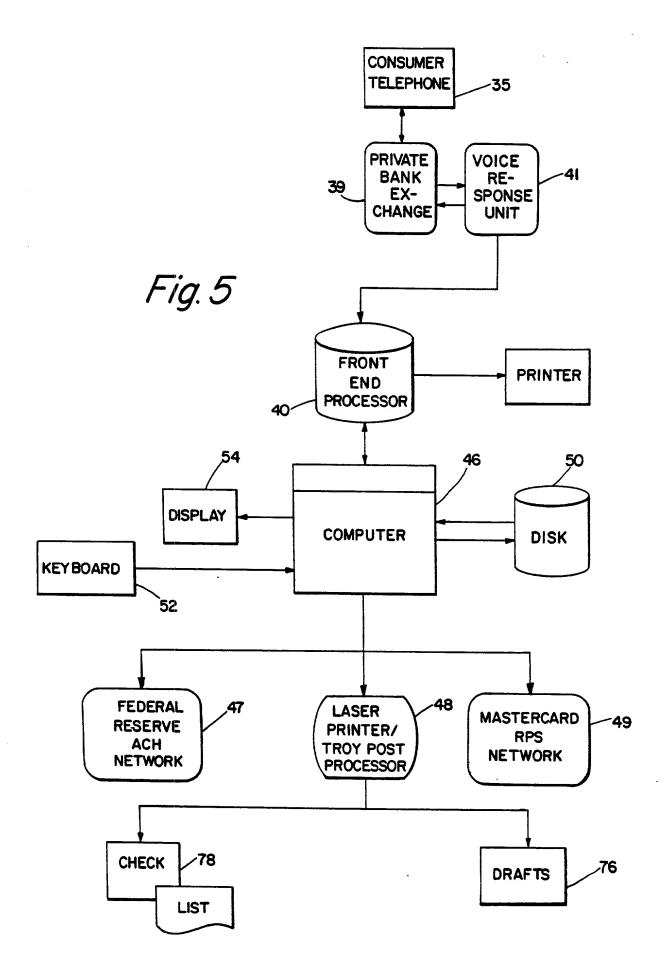


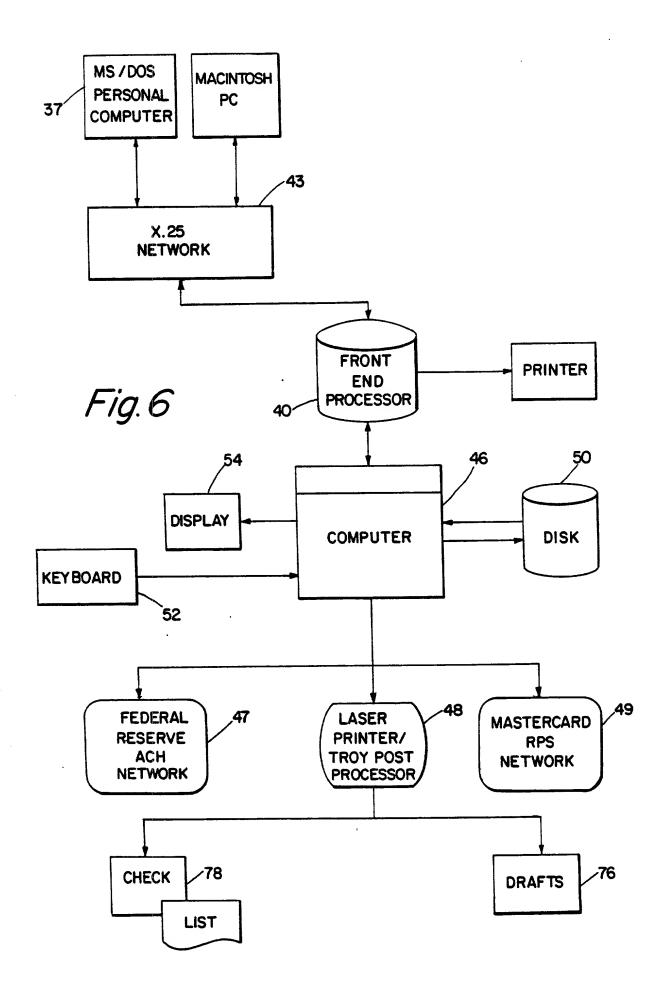
Fig. 2











DECLARATION FOR PATENT APPLICATION

Docket No. 1761100-75803

As the below named inventors, we hereby declare that:

Our residence, post office addresses and citizenships are as stated below next to our names.

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled APPARATUS FOR AND METHOD OF BILL PAYMENT the specification of which is filed herewith.

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

We hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign applications for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Applications: None

We hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

None
(Application Serial No.) (Filing Date) (Status-patented, pending, abandoned)

We hereby appoint the following attorney and/or agent to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Jeffrey S. Standley (Reg. No. 34,021)

Eric S. Lucas (Reg. No. 34,215)

Address all telephone calls to: Jeffrey S. Standley (614) 227-2030

Address all correspondence to: Porter, Wright, Morris & Arthur Attn: Patricia E. Lanier, C.L.A. 41 South High Street Columbus, Ohio 43215

JSS-58(1-2)

We hereby declare that all statements made herein of our knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of inventor: Peter J. Kight	
Inventor's signature	Date
Residence: Citizenship:	: U.S.A.
Full name of inventor: Mark A. Johnson	, ,
Inventor's signature Mak a. phu	Date_7/25/91
Inventor's signature 7/4 4. John Residence: 6>51 1)2C 1 115 10- D-3-12 6 43-17 Citizenship	: U.S.A.
Full name of inventor: Tamara K. Christenson	
Inventor's signature	Date
Residence: Citizenship	: U.S.A.
Full name of inventor: Regina Lach Inventor's signature Regina Lach	Date 7/25/91
Residence: 1540 Chalure Ed Direct Ok 43041 Citizenship	: U.S.A.
Full name of inventor: Philip Pointer	1
Inventor's signature This I fonte	Date 7/25/9/
Residence: 57014 Bouldy Grant Citizenship	: U.S.A.
Full name of inventor: Kenneth Cook Inventor's signature Kenneth W Cock	Date7/35/91
Residence: 4484 Wrangell M. Dobana Cit 4333C Citizenship	·

DECLARATION FOR PATENT APPLICATION

Docket No. 1761100-75803

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Our residence, post office addresses and citizenships are as stated below next to our names.

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled APPARATUS FOR AND METHOD OF BILL PAYMENT, the specification of which was filed on July 25, 1991 in patent application Serial No. 07/736,071.

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

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Prior Foreign Applications: None

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(Application Serial No.) (Filing Date) (Status-patented, pending, abandoned)

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41 South High Street
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EXPAND SOURCE CODE CHECK FOR PAY BY PHONE FROM 'N' TO 'N14'. CREDIT LIMIT, PROCESS PAYMENT AS ACH ITEM REGARDLESS OF THE CREDIT LIMIT TOTAL. EXCLUDE THESE ITEMS FROM ACCUMULATION OF ACH TRANSACTIONS INTO THE CREDIT LIMIT IF CONSUMER PAYN 000108 000184 900187 000191 00190 90106 02/10/91 02/10/91 03/13/91 03/13/91 04/14/91 04/14/91 04/14/91 04/14/91 04/14/91 04/20/91 04/20/91 04/20/91 01/02/91 01/02/91 01/02/91 01/02/91 01/02/91 02/10/91

02/01/91 JPH

TOTAL.

04/11/91 KAB 03/08/91 JPH CHANGED THE 'ROLLOVER DATE' HEADING TO
'EXTRA PMI.' AND OMITTED THE 'ROLLOVER AMT'
HEADING. ALSO, CHANGED THE DRAFT ERROR
REPORT TO SHOW STATUS CODES AND ADDED TOTALS COMMIT WORKS AND RESTART PROCESSING BY STATUS.

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P6100 00193 100192

000200

00201

04/19/91 PAH ADD CODE TO USE PAPER OR ELECTRONIC RT IF EFT CODE = 'B'.

05/25/91 JJF ELECTRONIC REMITTANCE PROCESSING.

06/05/91 JPH CORRECT PAYMENT ROLLOVER ERRORS FOR WEEKLY OR BIWEEKLY PAYMENTS.

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ENVIRONMENT DIVISION.
CONFIGURATION SECTION.
INPUT-DUTPUT SECTION.

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PIC X(142). PIC X(80).	PIC X(142).	PIC X(142).	PIC X(142).		PIC X(480).		ASSIGN TO UT-S-PAYTBLIN. Assign to UT-S-paytblot.	RT ASSIGN TO UT-S-SYS021. Fort Assign to UT-S-Sy5022. Assign to UT-S-Cardin.
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91 TEST-PGM-SW PIC X(1) VALUE "W". BB TEST-PGM VALUE "Y".	O A CHECK AROUNT		* TO INDICATE THAT CERTAIN CODE THAT SHOULD (OR SHOULD NOT) *	N THE COLLOWING CHITCH CAN BE INTITALIZED TO EVE		: FPRODATE			77 COMP-STATUS PTC YX	- INC SQLFLDS		EXEC SQL INCLUDE SQLCA END-EXEC.		// SQL-FREW-SSM FIC SY(Y) COMP VALUE ZEROS.	TE PIC S9(6) COMP VALUE		EXEC SQL INCLUDE PBT900 END-EXEC.		EXEC SOL INCLUDE POTO10 END-EXEC.	EXEC SQL INCLUDE PBT007 END-EXEC.	045 ************************************	EXEC SOL INCLUDE PRIBAL END-EXEC	EXEC SQL INCLUDE PBT002 END-EXEC.		EXEC SQL INCLUDE PBTOOL END-EXEC.	"PBB00010 WORKING-STORAGE BEGINS HERE".			MORETAN CTORAGE CECTTON		el PAY-TBL-OUTPUT-REC PIC X(25).	BI OCK TOWN A BROODS	FD PAY-TABLE-OUTPUT		77	BLOCK CONTAINS @ RECORDS.	FD PAY-TABLE-INPUT	RUM NO. 746 DATE=06/14/91 TIME=0833 LISTING OF H	
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LISTING OF MODULE PBB00010

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05/25/91	000478	ZERO.				TFR-RHT-ACH-ITEMS	05
05/25/91	000477	ZERO.				3	95
05/25/91	000476	ZERO.				TFR-RMT-TOT-ITEMS	05
05/25/91	000475	ZERO.	VALUE		PIC S9(9)V9(2)	TFR-COL-CHK-DOLLARS	95
05/25/91	000474	ZERO.	AVLUE	COMP-3	PIC S9(7)	TFR-COL-CHK-ITEMS	20
05/25/91	000473	ZERO.	VALUE		PIC S9(9)V9(2)	TFR-COL-PPR-DOLLARS	95
05/25/91	000472	ZERO.	VALUE	COMP-3	PIC S9(7)	TFR-COL-PPR-ITEMS	95
05/25/91	000471	ZERO.	VALUE		PIC S9(9)V9(2)	TFR-COL-ACH-DOLLARS	95
05/25/91	000470	ZERO.	VALUE	COMP-3	PIC \$9(7)	TFR-COL-ACH-ITEMS	20
05/25/91	000469	ZERO.	AVLUE	9(2) COMP-3	PIC \$9(9)V9(2)	TFR-COL-TOT-DOLLARS	05
05/25/91	000468	ZERO.	VALUE	COMP-3	PIC S9(7)	TFR-COL-TOT-ITEMS	95
03/13/91	000467						
03/13/91	000466	ZEROS.	VALUE	C 9(9)	PIC	WS-PREVIOUS-ROLL-SSN	05
03/13/91	000465	ZEROS.	VALUE		_	WS-PREVIOUS-ERROR-SSN	05
03/13/91	900464	ZEROS.	AVLUE		PIC	WS-PREVIOUS-SSM	05
03/13/91	000463						
03/13/91	000462	ZEROS.	VALUE	C 9(04)	T PIC	WS-SUMMARY-PAGE-COUNT	95
03/13/91	000461	ZEROS.			7	WS-ROLLOVER-PAGE-COUNT	0.5
03/13/91	000460	ZEROS.				WS-ERROR-PAGE-COUNT	05
03/13/91	000459	999.	VALUE	C 999	NES PIC	WS-TOTAL-ROLLOVER-LINES	95
03/13/91	000458	999.	VALUE		PIC	WS-TOTAL-ERROR-LINES	*5
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03/13/91	000456						***
03/13/91	000455	ZEROS.	VALUE	PIC 9(7)	2	WS-GND-TOT-ERR-ITEMS	95
03/13/91	000454	ZEROS.	VALUE	C 9(7)V99		WS-GND-TOT-ERR-DOLLARS	95
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03/13/91	909447	ZEROS	VALUE		DIG.	WS-TOT-ERR-ITEMS	05
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000588	ZEROS.	VALUE	PIC 9(02)	10 HOLD-YEAR	
000587	ZEROS.	VALUE		_	
000586	ZEROS.	VALUE		_	
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000504					
000583	ZEROS.	VALUE	PIC 9(02)	10 HOLD-Y-FFHHDDYY	
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000571	ZEROS.	VALUE		77 WS-STATUS-TOT-CMT	
000570	ZEROS.	VALUE	PIC 9(6)	77 WS-STATUS-C-CNT	
000569	ZEROS.	VALUE		77 WS-STATUS-P-CNT	
00568	ZEROS.	VALUE	PIC 9(6)		
000567	ZEROS.	VALUE		77 WS-STATUS-F-CNT	
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000553	:	VALUE		10 FILLER	
000552	ZEROS.	AVLUE		10 WS-SSN-2ND2-OUT	
19551	:	VALUE	PIC X	10 FILLER	
100550	ZEROS.	PULAY	PIC 999		
000549				05 WS-SSN-OUT.	
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000546	ZEROS.	VALUE			
00545	ZEROS.	VALUE	PIC 999	10 WS-SSN-1ST3-IN	
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LISTING OF MODULE PRODUCE

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10 WS-MIN

PIC 99

10 FILLER PIC X(11) 10 FILLER PBB00010.20*. 10 FILLER PC X(33) 10 FILLER CORPORATION - 10 FILLER PIC X(20) 10 FILLER PIC X(20)	OI TRANFREE-PAY-TABLE-REC. OS TFR-PAY-TBL-COMMIT PIC 9 OS TFR-PAY-TBL-ENTRY PIC 9 MANAMAMAMAMAMAMAMAMAMAMAMAMAMAMAMAMAMA	OI TRANFREE-SC-TABLE. OS TRANFREE-TBL-ENTRY PIC \$9(8) COS TRANFREE-CURR-ENTRY PIC \$9(8) COS TRANFREE-KAX-ENTRIES PIC \$9(8) COS TRANFREE-SC-ENTRY OCCURS 1500 TIMES INDEXED BY TFR-IDX. 10 TFR-TBL-SC-CODE PIC X(2) 10 TFR-TBL-SC-DOLLARS PIC \$9(6)	O1 WS-PRINT-LINE. O5 JUNK-COMMIT-KEY PIC X(9) O5 CC-LINE PIC X(1) O5 JUNK-LINE PIC X(132) O1 WS-PRINT-LINE2 PIC X(132)	-INC TRKFLDS -INC FDATFLDS •1	05 MS-SQL-DATE. 10 MS-SQL-DATE-FILLER PIC 10 MS-SQL-DATE-YHD PIC
PIC X(11) PIC X(33) PIC X(33) VALUE SPACES. PIC X(43) PIC X(26) PIC X(26) PIC X(27) VALUE VALUE VALUE VALUE VALUE	9(9). \$9(8) COMP. X(12).	PIC \$9(8) COMP VALUE ZERO. PIC \$9(8) COMP VALUE ZERO. PIC \$9(8) COMP VALUE +1500. 1500 TIMES 1C \$(2)	VALUE SPACES. VALUE SPACES. VALUE SPACES.	X(03) VALUE 'SC '. X(02) VALUE SPACES.	PIC 9 VALUE ZEROS. PIC 9(6) VALUE ZEROS.
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LTC VIOOL		; .	i	PIC X(03)		PIC X(08)	PIC X(06)		PIC X(06)	PIC X(12)		٠.	PIC X(16)		PIC X(00)	PIC X(13)			PIC X(06)		PIC X(05)			PIC X(84)		PIC X(02)	PIC X(02)	. FIC ALLES	×			PIC X(10)	LTC VIASI						PIC)	TE PIC X(8).		PIC X(17)	PIC X(52)		
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FTILER	ERR-MESSAGE	FILLER	ERR-11	FILLER	ERR-FIRST-NAME		ERR-LAST-NAME	FILLER	ERR-SSN	ERR-DETAIL-1.	WS-DETAILS-FOR-ERROR.		THER	PAY DAIR'.	FILLER	FILLER	· THOUNT · .	FILLER	FILLER	TYPE.	FILLER	FILLER	"ACCOUNT NUMBER".	FILLER	FILLER	*HERCHANT .	TILLER	FILLER	CRP'	FILLEX		"PC PHONE".		TPD-HFATTMG-4	FILLER	REASON FOR	FILLER	FILLER	"NI".	FILLER	FILLER	"FIRST NAME".	FILLER	FILLER	'LAST NAME'.	FILLER
		PIC X(54)	PIC X(01).	PIC X(02)	PIC X(10).	PIC X(01)		PIC X(02)	PIC X(11).				PIC X(SL)			PIC X(05)			PIC X(04)			PIC X(04)	•		PIC X(16)			PIC X(12)			PIC X(03)		PTC X(a6)		PIC X(05)		PIC X(18)	PIC X(61)			PIC X(02)	•		PIC X(08)		PIC X(09)
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	10 TOT-ERR-DOLLARS		_	_	10 TOT-ERR-ITEMS	11.	10 FILLER	10 FILLER	05 TOT-ERR-DETAIL.	01 WS-TOTALS-FOR-ERROR-REPORT.		TO WS-EXX-DESSAGE		05 WS-ERR-MESSAGE-LINE	01 WS-MESSAGE-LINES.						10	OI WS-MESSAGE-STATUS.	FO CAN CINICO CAN		,	•	7		•	•	10 CXX-FXY-EXIC			10 FILLER	_	10 ERR-PAYME	10 FILLER	_	10 FILLER	10 EKR-MERCHANT		10 ERR-CRP		
PIC	PIC	TOTAL CONSUMER DOLLARS		PIC	ITEMS PIC	TOTAL CONSUMER ITEMS IN	PIC	PIC		ROR-REPORT.		717	PIC	•	•		70				SAGE-STATUS	s.			PIC	PIC	!		PIC	PIC	PIC	PIC	PIC	PIC		PIC	PIC			PIC	PIC		PIC	PIC
X(41) VA	\$, *** . 99.	IN ERROR				EMS IN ERROR: ".	X(31) VA					A127).					PIC X(08) VA	X(01)	X(01).	X(01)	PIC X(20).									•	X(02) VA		,222.99.		•	X(01).		•	X(02) VA	X(24).		999.	XCOLU	•
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SUM-COL-FOR-LIT	Sou-cor-Figure	-	FILER	SUM-COL-COL-LIT	FILLER	SUM-COL-TYPE-LIT	7 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CIM-DETATI		FILLER	HERCHANT	FILLER	FILLER		FILLER	FILLER	SUM-HEADING-4.		FILLER	SUM-DRAFT-DATE	FOR COLLE	FILLER	FILLER	SOM-MEASTAR S.		SUM-PAGE-NUMBER	PAGE .	FILLER	FILLER	TRANFREE	FILLER	FILLER	-HEADING-2.		SUM-RUN-DATE	FACETY DATE	FILLER	CHECKTREE	FILLEX	FILLER	*F5500010.22*	FILLER	SUM-HEADING-1.			WS-HEADINGS-FUR-SUMMARY-REPT.			
PIC X(02)		7.777			PIC X(01)	PIC X(05)	PIC			PIC X(21)	HERCHANT REMITTANCES PROCESSED'	PIC X(30)	PIC X(28)		PIC X(27)	PIC X(26)			PIC X(53)			PIC X(21)				PIC Z,ZZ9.		PIC X(05)	PIC X(46)	INPUT REPORT'.	FIC X(21)	PIC X(55)			PIC X(8).	1 1 20 20 22		CORPORA				PIC X(11)				REPT.			
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DATE=06/14/91 TIME=0833

LISTING OF

HODULE

PBB00010

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A000-HAINLINE.
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                                                                                    DISPLAY 'PC-LAST-COMMIT-KEY : PC-LAST-COMMIT-KEY DISPLAY 'PC-COMMIT-INTERVAL : PC-COMMIT-INTERVAL DISPLAY 'PC-RESTART-MODE : PC-RESTART-MODE
                                                                                                                                                                                      EXEC SQL SELECT PC_LAST_COMMIT_KEY,
PC_COMMIT_INTERVAL,
PC_RESTART_MODE
INTO :PC-LAST-COMMIT-KEY,
                                                                                                                                                                                                                                               HOVE
HOVE
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                                                                                                                                                                                                                                                                                EXEC
EXEC
EXEC
                                                                                                                                                                                                                                                                                                                                                                     HOVE 'PBB00010'
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                                                                                                                                 END-EXEC.
                                                      8
PC-LAST-COMMIT-KEY NOT = SPACE AND
PC-RESTART-MODE NOT = 'Y'
DISPLAY 'POSSIBLE RESTART CONDITION PROGRAM '
WS-PROGRAM-NAME ' FROM LAST PRODUCTION RUN '
                                                               SQLCODE EQUAL 100
                                                      TO ERRCHE.
                                                                                                                                                                                                                                                                               SQL WHENEVER SQLWARNING GO TO ERRCHK END-EXEC.
SQL WHENEVER NOT FOUND CONTINUE END-EXEC.
                                                                                                                                                                                                                                                           'PBB00010' TO WS-PROGRAM-NAME.
                                                                                                                                            FROM T900_PROG_CONTROL = :NS-PROGRAN-NAME
                                                                                                                                                                                                                                              *SELECTING FROM T900_PROG_CONTROL*
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SUM-RMT-TYPE-LIT
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001096

IF PC-RESTART-MODE = 'Y' MOVE WS-LAST-KEY TO WS-TOTALS PERFORM 9100-LOAD-PAY-TBL THRU 9100-EXIT MOVE WS-PREVIOUS-SSM TO SQL-PREV-SSM DISPLAY 'LOAD WS-TOTALS ' WS-TOTALS END-IF.	PERFORM A079-READ-STLCODE THRU A079-READ-STLCODE-EXIT. THRU A079-READ-STLCODE-EXIT. PERFORM A075-LOAD-STLCODE-TBL THRU A075-LOAD-STLCODE-TBL-EXIT UNTIL ALL-STLCODE-PROCESSED. MOVE 'CLOSE CURSOR TOIO' TO STEP-DEMOTER. EXEC SQL CLOSE TOIO END-EXEC.	NEXT SENTENCE ELSE DISPLAY 'MESSAGE FROM ' SQL-PGM ': DISPLAY 'BAD OPEN ON MASTER MERCHANT ' DISPLAY 'STATUS CODE IS: 'MMR-STAT DISPLAY 'STATUS CODE IS: 'MMR-STAT DISPLAY 'STREAM AND CORRECT PROBLEM.' DISPLAY 'MESSAGE FROM ' SQL-PGM ': DISPLAY 'MESSAGE FROM ' SQL-PGM ': DISPLAY 'MESSAGE FROM ' SQL-PGM ': UPON CONSOLE DISPLAY 'BAD OPEN ON MASTER MERCHANT ' UPON CONSOLE DISPLAY 'FILE. DISPLAY 'FILE. DISPLAY 'FILE. DISPLAY 'FILE. STOP JOB ' UPON CONSOLE DISPLAY 'STREAM AND CORRECT PROBLEM. ' UPON CONSOLE	CP_LAST_TRANS_DATE, CP_PRENOTE_DATE, CP_PRENOTE_RESET, CP_ACCT_SCHENE, CP_ACCT_SCHENE, CP_CAT_MBR, CP_MNEMONIC FROM T002_CONSUMER_PAY WHERE CP_SN AND CP_MRCH_PAY_DATE <= :SQL-DRAFT-DATE AND CP_MRCH_PAY_DATE <> 0 AND CP_MRCH_PAY_DATE <> 0 AND CP_MRCH_ANT <> 0 AND CP_STATUS IN ("A", "P") ORDER BY CP_SSN, CP_CHCK_PHOME END-EXEC.
001145 001146 001147 001148 001150	001136 001137 001139 001140 001141 001142	001117 001119 001120 001123 001123 001124 001126 001127 001139 001139	001101 001101 001102 001103 001104 001106 001107 0011109 0011111 0011112
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RUN NO. 746

DATE=06/14/91 TIME=0833

LISTING OF MODULE PBB00010

HOVE 'TOTAL OF SSN BY STATUS C' TO ERR-STATUS-DESC. HOVE WS-STATUS-C-CNT TO ERROR-REPORT-LINE. WRITE ERROR-REPORT-LINE.	HOVE YSTATUS-D-CNT HOVE WS-STATUS-D-CNT HOVE ERR-DETAIL-3 VRITE ERROR-REPORT-LINE. HOVE 'TOTAL OF SSN BY STATUS P' TO ERR-STATUS-DESC. HOVE WS-STATUS-P-CNT HOVE WS-STATUS-CNT. HOVE ERR-DETAIL-3 VRITE ERROR-REPORT-LINE.	MRITE ERROR-REPORT-LINE. MOVE 'TOTAL OF SSN BY STATUS I 'TO ERR-STATUS-DESC, MOVE WS-STATUS-I-CNT TO ERR-STATUS-CNT. HOVE ERR-DETAIL-3 TO ERROR-REPORT-LINE. MOVE 'TOTAL OF SSN BY STATUS F 'TO ERR-STATUS-DESC. MOVE WS-STATUS-F-CNT TO ERR-STATUS-CNT. HOVE WS-STATUS-F-CNT TO ERROR-REPORT-LINE.	*CLOSE CURSOR TOO2* TO STEP-DENO SQL CLOSE TOO2 END-EXEC. S-TOTAL-ERROR-LINES > 40 PERFORM DIOO-ERROR-HEADINGS THRU DIOO-ERROR-HEADINGS-EXIT. *TOTAL OF SSM BY STATUS A * TO NS-STATUS-A-CNT TO	HOVE 'OPEN CURSOR TOO2' TO STEP-DENOTER. EXEC SQL OPEN TOO2 END-EXEC. OPEN OUTPUT TRANHOLD-FILE PAY-TABLE-QUIPUT DRFTITEN-FILE ROLLOVER-REPORT ERROR-REPORT. SUMMARY-REPORT. PERFORM Algo-Main Thru Algo-Main-Exit.
	, m	EARC. 001175 001176 001176 001177 011. 001179 011179 011179 011179 011179 011179 011179 011179 011179 011179	•	001151 001152 001153 001154 001155 001156 001159 001160 001162 001163
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A050-INITIALIZE.

ACCEPT WS-CURRENT-DATE FROM DATE.
HOVE CD-YR TO WS-TRANS-POWTH.
HOVE CD-HONTH TO WS-TRANS-HOWTH.
MOVE CD-DAY TO WS-TRANS-DAY.
ACCEPT WS-TIME FROM TIME.
HOVE WS-HH TO WS-HOUR.
                                                                                                                                                                                                                                                          A000-MAINLINE-EXIT.
                                                ELSE
                                                          HOVE WS-COMP-KEY TO COMP-CTL-KEY.
READ DATE-FILE INTO WS-DATE-RECORD.
IF COMP-STATUS = '00'
NEXT SENTENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOVE "TOTAL CONSUMERS IN ERROR "
MOVE WS-STATUS-TOT-CNT
MOVE ERR-DETAIL-3
                                                                                                                                                                                                                                              EXIT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       WRITE ERROR-REPORT-LINE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WRITE ERROR-REPORT-LINE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTE WS-STATUS-TOT-CNT =
                                                                                                                                                                                                                                                                                  STOP RUN.
                                                                                                                                                                                                                                                                                                   PC-RESTART-MODE.
PERFORM 9000-COMMIT-WORK THRU
                                                                                                                                                                                                                                                                                                                                  HOVE SPACE TO PC-LAST-COMMIT-KEY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOVE SPACES
DISPLAY 'MESSAGE FROM ' SQL-PGM ':
DISPLAY 'BAD READ ON AECOMP DATE FILE.'
DISPLAY 'STATUS CODE IS: ' COMP-STATUS
DISPLAY 'PROGRAM HALTED. STOP JOB '
                                                                                                                                                                                                                                                                                                                                                                                ROLLOVER-REPORT,
ERROR-REPORT,
SUMMARY-REPORT,
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                                                                                                                                                                                                                                                                                                                                                                                                                      DRFTITEM-FILE,
                                                                                                                                                                                                                                                                                                                                                                                                                                              MERCHANT-FILE,
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                                                                                                                                                                                                                                                                                              9000-EXIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         = WS-STATUS-A-CNT +
WS-STATUS-I-CNT +
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WS-STATUS-C-CNT.
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ERROR-REPORT-LINE.
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HOVE AECO-CTL-TOD-PMT-DT TO DRAFT-DATE.

HHHHH CONVERT DRAFT-DATE TO DRAFT-DATE-PLUS-DEF

HOVE DRAFT-DATE TO DATE-HHDDYYYY.

PERFORM GREGORIAN-TO-JULIAN THRU

GREGORIAN-TO-JULIAN-EXIT.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DISPLAY "VALUE SET IN JCL IS NON-NUMERIC. DISPLAY "STOP JOB STREAM AND CORRECT THIS DISPLAY "PROBLEM.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DISPLAY .
CLOSE DATE-FILE
GO TO ERRCHX.
                                                                      DISPLAY 'MESSAGE FROM ' SQL-PGM ':
DISPLAY 'PROGRAM HALTED. DRAFT EXTENSION
DISPLAY 'VALUE SET IN JCL IS TOO BIG.
DISPLAY 'STOP JOB STREAM AND CORRECT THIS
DISPLAY 'PROBLEM.
                                                                                                                                                                                                                                                DRAFT-EXTENSION-99 > 99
DISPLAY "HESSAGE FROM " SQL-PGM ":
DISPLAY "PROGRAM HALTED. DRAFT EXTENSION
DISPLAY "VALUE SET IN JCL IS TOO BIG.
DISPLAY "STOP JOB STREAM AND CORRECT THIS
DISPLAY "PROBLEM.
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                                                  DISPLAY .
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NOVE 'N' TO WS-CARDIN-SW.
DRAFT-EXTENSION NOT NUMERIC
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DISPLAY "PROGRAM HALTED. DRAFT EX"
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DISPLAY "PROGRAM HALTED. DRAFT EXTENSION
DISPLAY "VALUE SET IN JCL IS NON-NUMERIC.
DISPLAY "STOP JOB STREAM AND CORRECT THIS
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HNHHM CONVERT DRAFT-DATE TO YMMDD FORMAT FOR COMPARE ON 1002. HOVE DRAFT-DATE-PLUS-DEF TO WS-DATE-MDY. HOVE WS-Y-MDY TO WS-Y-YMD HOVE WS-M-HDY TO WS-M-YMD HOVE WS-D-MDY TO WS-M-YMD HOVE WS-DATE-YMD TO WS-77-DATE HOVE WS-77-DATE TO SQL-DRAFT-DATE HOVE WS-77-DATE TO SQL-DRAFT-DATE	PRECT THIS OR E. OUTTER SET OUTTER SET OR E. OR E. RECT THIS RECT THIS REPORT DATES HDY. R-DRAFT-REPORT.	IF WORE-CARDIN
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A079-READ-STLCODE. MOVE 'FETCHING FROM TOIO' TO STEP-DENOTER. EXEC SQL FETCH TOIO INTO :MS-SETTLE-CODE, :MS-STATUS, :MS-SETTLE-METH-IND	IF TRANFREE-TBL-ENTRIES EQUAL TRANFREE-MAX-ENTRIES DISPLAY "SETTLEMENT CODE TABLE OVERFLOW" GO TO ERRCHK. ADD 1 TO TRANFREE-TBL-ENTRIES. SET TFR-IDX TO TRANFREE-TBL-ENTRIES. WOVE MS-SETTLE-CODE TO TFR-TBL-SC-CODE (TFR-IDX). HOVE MS-SETTLE-CODE TO TFR-TBL-SC-TRR-IDX). HOVE ZERO TO TFR-TBL-SC-DOLLARS (TFR-IDX). PERFORM A079-READ-STLCODE THRU A079-READ-STLCODE-EXIT. A075-LOAD-STLCODE-TBL-EXIT.	MANN INITIALIZE THE DRAFTED ITEMS FILE. MOVE ZEROES TO DRAFT-MRCH-DELETE, DRAFT-HRCH-MREHONIC, DRAFT-PAY-STATUS, DRAFT-MRCH-NAME, DRAFT-CHECK-DIGIT. A050-INITIALIZE-EXIT.	HOVE WS-77-DATE-7DIGITS TO WS-SQL-DATE. HOVE WS-SQL-DATE-YMD TO WS-DATE-MDY. HOVE WS-Y-MDY TO WS-Y-MDY-SLASHES HOVE WS-H-MDY TO WS-M-HDY-SLASHES HOVE WS-D-MDY TO WS-D-MDY-SLASHES HOVE WS-D-MDY WITH-SLASHES TO RO-RUN-DATE, ERR-RUN-DATE, ERR-
001499 001499 001490 001401 001402	001386 001386 001389 001399 001392 001393 001394 001396 001396	001373 001374 001375 001376 001377 001377 001380 001380 001382	001355 001356 001357 001359 001361 001363 001364 001365 001366 001367 001370
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HOVE WS-GND-TOT-ERR-ITEMS TO GND-TOT-ERR-ITEMS. MOVE WS-GND-TOT-ERR-DOLLARS TO GND-TOT-ERR-DOLLARS. MOVE SPACES TO ROLLOVER-REPORT-LINE.	*** THE FOLLOWING WILL CREATE A GRAND TOTAL ERROR LINE ON THE *** DETAIL DRAFT REPORT.	PERFORM C900-WRITE-ROLL-LINE-EXIT.		MOVE TFR-RMT-TOT-ITEMS TO GMD-TOT-ROL-ITEMS. MOVE TFR-RMT-TOT-DOLLARS TO GMD-TOT-ROL-DOLLARS. MOVE SPACES TO ROLLOVER-REPORT-LINE.	HAR THE FOLLOWING WILL CREATE A GRAND TOTAL LINE ON THE DETAIL HAR DRAFT REPORT.		20	IF WS-TOTAL-ROLLOVER-LINES > 0 AND NOT = 999 PERFORM C400-TOTAL-BREAK THRU C400-TOTAL-BREAK-EXIT. IF WS-TOTAL-ERROR-LINES > 0	END-PERFORM.		Alee-MAIN. PERFORM UNTIL EOF TO UN-COMMITT-COMMITT-COMMITT-COMMITTED	REFERENCE PROGRAM.	END-EXEC. IF SQLCODE EQUAL 100 MOVE 'Y' TO ALL-STLCODE-PROCESSED-SW. A079-READ-STLCODE-EXIT. EXIT.
001454	001451 001452 001453	001448	001445	001442 001443 001444	001439 001440 001441	001435 001436	001431 001432 001433 001434	001426 001427 001428 001429 001430	001424 001425	001420 001421 001422	001416 001417 001418	001411 001412 001413 001414	001406 001407 001408 001409
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* THE FOLL * PROGRAM.
                                  A125-T002-CONS-PAY-FETCH-EXIT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Aloo-MAIN-EXIT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A125-T002-CONS-PAY-FETCH.
                       THE FOLLOWING MODULE IS THE MAIN INTERNAL DRIVER FOR THIS
                                                                                                                                IF SQLCODE = 100

NOVE 'Y' TO INPUT-EOF-SW
GO TO A125-T002-COMS-PAY-FETCH-EXIT.

PERFORM B100-PROC-REC THRU B100-PROC-REC-EXIT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOVE 'FETCH FROM TOO2 IN PARAGRAPH A125.
TO STEP-DENOTER.
EXEC SQL FETCH TOO2 INTO
                                                                                                           ADD 1 TO WS-COMMIT-COUNTER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PERFORM C900-WRITE-ROLL-LINE -EXIT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HOVE 2 TO ADVANCE-AMOUNT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HOVE GND-TOT-ERR-DETAIL TO ROLLOVER-REPORT-LINE
                                                                                                                                                                                                         :CP-ACCT-SCHEME,
                                                                                                                                                                                                                               :CP-LAST-TRANS-DATE,
:CP-PRENOTE-DATE,
:CP-PRENOTE-RESET,
                                                                                                                                                                                                                                                                                                                                                                           :CP-HRCH-NAME,
                                                                                                                                                                                                                                                                                                                                                                                         :CP-MRCH-PHONE,
                                                                                                                                                                                             :CP-MEMONIC
                                                                                                                                                                                                                                                                     :CP-CHG-DATE,
                                                                                                                                                                                                                                                                                            :CP-PAY-FREQ,
                                                                                                                                                                                                                                                                                                        :CP-ACCT-NBR,
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                                                                                                                                                                                                                                                                                                                     :CP-STATUS,
                                                                                                                                                                                                                                                                                                                             CP-NBR-REMAIN,
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                                                                                                                                                                                                                                                                                                                                                        :CP-MRCH-PAY-DATE,
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B160-PROC-REC-EXIT.	PERFORM C200-CONSUMER-ROLL-LINE-EXIT. PERFORM C300-MERCHANT-ROLL-LINE THRU C300-MERCHANT-ROLL-LINE-EXIT.	IF CONS-RO-DETAIL-NOT-WRITTEN	THRU H100-UPDATE-TABLES-EXIT.	PERFORM H100-UPDATE-TABLES	THRU R100-DRFTITEM-RECORD-EXIT.	IF PAY-BY-PHONE	PERFORM Glee-TRANHOLD-RECORD-EXIT.	PERFORM F100-ROLLOVER-ROUTINE-EXIT.	GO TO BLOO-PROC-REC-EXIT.	CONSUMER-IN-ERROR	IF RECORD-IN-ERROR	THRU E300-CHECK-PRENOTE-EXIT.		BRETON ROOM-CRIT-MREGUANT-TAKO	THRU E100-GET-CONSUMER-INFO-EXIT.	HOVE CP-SSN TO MS-PREVIOUS-SSN		CO TO BIRD-PROC-REC-EXIT	9000-EXIT	PERFORM 9000-COMMIT-WORK THRU	ADD MS-COMMIT-COUNTER TO MS-LAST-COMMIT-COUNT	MOVE NS-LAST-COMMIT-COUNT TO TFR-PAY-TBL-COMMIT	ACVE 'Y' TO PC-RESTART-HODE	IF WS-PREVIOUS-SSN NOT = CP-SSN	HOVE 'N' TO IS-RECORD-IN-ERROR.	
001556 001557 001558	001552 001554	001549	001547 001548	001545	001543	001540	001538	001536	001535	001533	001531	001529	001527	001525	001523	001522	001520	981819	001517	001516	001514	001513	001511	001510	0015 08	
			03/13/91		10/2/20												03/13/91	03/13/91	03/13/91	03/13/91	03/13/91 03/13/91	05/25/91	03/13/91 03/13/91			

	IF CP-SSN NOT = WS-PREVIOUS-ROLL-SSN		THRU C100-ROLL-HEADINGS-EXIT	PERFORM CIGAL-ROLL - HEADINGS	CT-252 H US-PREVIOUS-ROLL-SSN	•	TE UC-TOTAL - BOS LOVED - LIVES > AR				TURL CARRENT PREAKING	PROFILE CAMP-TOTAL	CP-SSN NOT # WS-PREVIOUS-ROLL-SSN	AND	TE WA-TOTAL-POLLOVER-LINES > 45	ELOS LIBES LICENTINOS		•	T-ROLL-I	_			EXIT.	C100-ROLL-HEADINGS-EXIT.	TERTORY (766-48%)FE-ROLL-LING-EXIT.				MOVE SPACES TO ROLLOVER-REPORT-LINE.			HOVE RO-MEADING-1 TO ROLLOVER-REPORT-LINE.	CBACEC TACK	-	ZERO	01 .N.	.N. 10	.N. 10	MOVE 'N' TO ARE-CONS-RO-HEADINGS-WRITTEN.	Cloe-ROLL-HEADINGS.		皇	PROPRAM	* THE FOLLOWING MODULES PRODUCE THE ROLLOVER REPORT FOR THIS *	家里发生的 医克里克氏 医克里氏 医二苯甲基氏 医二苯甲基氏 医二苯甲基苯酚 医二苯甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基			
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THRU C100-ROLL-HEADINGS-EXIT.		TE NO-TOTAL - BOLL OVER-I TURO > AA	OKANIKANYOTAKI 1901 - LIKA	EXIT.	C220-CONSUMER-DETAIL-EXIT.	THRU C900-WRITE-ROLL-LINE-EXIT.		HOVE RO-DETAIL-1 TO ROLLOVER-BEPORT-LINE.		<u>ب</u>				HOVE OF LAST-NAME TO RO-LAST-NAME.		HOUR WA-ARN-I ARTA-IN TO WA-ARN-I ARTA-DUT.				MOVE 'Y' TO ARE-COMS-RO-DETAIL-WRITTEN.	Š			EXIT.	COLORS CAR AND	TERM COOR-EDITE-FOLL TER-RETT	HOVE RO-HEADING-3 TO ROLLOVER-REPORT-LINE.	MOVE 3 TO ADVANCE-AMOUNT.	10		HOVE "Y" TO ARE-CONS-RO-HEADINGS-URITTEN.	C218-COMSIMER-HEADTMOS.		EXIT.	CZ00-CONSUMER-ROLL-LINE-EXIT.	THRU C220-CONSUMER-DETAIL-EXIT.	PERFORM C220-CONSUMER-DETAIL	THRU C210-CONSUMER-HEADINGS-EXIT.	PERFORM C210-CONSUMER-HEADINGS	IF COMS-RO-HEADING-NOT-WRITTEN	MOVE CP-SSN TO MS-PREVIOUS-ROLL-SSN.		THRU CADO-TOTAL-BREAK-EXIT.
001660	001659	001653	001657	001654	001653	001652	001651	001650	007 CC		001646	001645	001644	001643	001662	091641	901 649 901 649		0001630	#01635	001634	001633	001632	001631			001627	001626	001625 03/13/91	001624	001623	891622 801621	91731	901619	001618	001617	001616	001615	001614	001613	001612	001611	001610

C400-TOTAL-BREAK.	EXIT.	C320-HERCHANT-DETAIL-EXIT.	ADD 1 TO WS-TOT-RO-ITEMS.	ADD WS-77-NOLD-PAY-ANOUNT TO WS-TOT-RO-DOLLARS.	K	PERFORM C900-WRITE-ROLL-LINE	MOVE RO-DETAIL-2 TO ROLLOVER-REPORT-LINE.		MOUR REACHS TO BOLL DURB - BRECOT-1 TAR						MOVE WS-PHONE-EXT-IN TO WS-PHONE-EXT-OUT	HOVE WS-PHONE-EXCHG-IN TO WS-PHONE-EXCHG-OUT	HOVE WS-AREA-CODE-IN TO WS-AREA-CODE-OUT	MOVE WS-77-PHONE TO WS-PHONE-NUMBER-IN	HOVE CP-HRCH-PHONE TO WS-77-PHONE.	CHANT-DETAIL.		EXIT.	C310-MERCHANT-HEADINGS-EXIT.	THRU C900-WRITE-ROLL-LINE-EXIT.	PERFORM C900-WRITE-ROLL-LINE	MOVE NO-MEAGING-9 TO NOTITIONER-METUNE-LIME.		CBACEC	-			EXIT.	C300-MERCHANT-ROLL-LINE-EXIT.	THRU C320-MERCHANT-DETAIL-EXIT.	PERFORM C320-MERCHANT-DETAIL	THRU C310-MERCHANT-HEADINGS-EXIT.	PERFORM C310-MERCHANT-MEADINGS	IF MRCH-RO-HEADING-NOT-WRITTEN	THRU C220-CONSUMER-DETAIL-EXIT.				IF CONS-RO-HEADING-WOT-WRITTEN	RUN NO. 746 DATE=06/14/91 TIME=0833
001711 001710 001707	001708	001707	001706			- TOTAL	001702	•	001699	001698	001697	001696	001695	001694	001693	001692	001691	001690	## TOO 7		##1666	00160C			001001		•	001678	B01677	001676	32.7.2 5.4.4	001673	001672	001671	001670	001669	601668	001667	001666	001665	001664	001663	001662	LISTING OF MODULE PBB00010
																																												PAGE 34

D100-ERROR-HEADINGS. MOVE 'N' TO ARE-CONS-ERR-HEADINGS-WRITTEN. MOVE 'N' TO ARE-MRCH-ERR-HEADINGS-WRITTEN. HOVE 'N' TO ARE-CONS-ERR-DETAIL-WRITTEN. MOVE 'N' TO ARE-MRCH-ERR-DETAIL-WRITTEN. HOVE ZEROS TO WS-TOTAL-ERROR-LINES.	水平水水水水水水水水水水水水水水水水水水水水水水水水水水水水水水水水水水水	C900-WRITE-ROLL-LINE. MOVE ROLLOVER-REPORT-LINE TO JUNK-LINE. HOVE WS-LAST-COMMIT-COUNT TO JUNK-COMMIT-KEY. WRITE ROLLOVER-REPORT-LINE FROM WS-PRINT-LINE. ADD ADVANCE-AMOUNT TO WS-TOTAL-ROLLOVER-LINES. C900-WRITE-ROLL-LINE-EXIT.	C800-WRITE-ROLL-PAGE. MOVE 0 TO WS-TOTAL-ROLLOVER-LINES. HOVE 1' TO CC-LINE. HOVE ROLLOVER-REPORT-LINE TO JUNK-LINE. HOVE WS-LAST-COMMIT-COUNT TO JUNK-COMMIT-KEY. WRITE ROLLOVER-REPORT-LINE FROM WS-PRINT-LINE. ADD 1 TO WS-TOTAL-ROLLOVER-LINES. C800-WRITE-ROLL-PAGE-EXIT.	PERFORM C900-WRITE-ROLL-LINE THRU C900-WRITE-ROLL-LINE-EXIT. MOVE ZEROS TO WS-TOT-RO-ITENS WS-TOT-RO-DOLLARS. C400-TOTAL-BREAK-EXIT.	HOVE WS-TOT-RO-ITEMS TO TOT-ROL-ITEMS. HOVE WS-TOT-RO-DOLLARS TO TOT-ROL-DOLLARS. HOVE SPACES TO ROLLOVER-REPORT-LINE. HOVE 2 TO ADVANCE-AMOUNT. HOVE TOT-ROL-DETAIL TO ROLLOVER-REPORT-LINE. PERFORM C900-WRITE-ROLL-LINE THRU C900-WRITE-ROLL-LINE THRU C900-WRITE-ROLL-LINE-EXIT. HOVE SPACES TO ROLLOVER-REPORT-LINE.
001756 001757 001758 001759 001761 001761	001751 001752 001753 001754	001743 001743 001744 001745 001746 001746 001749 001749	001731 001732 001733 001734 001736 001736 001730 001730 001741	001724 001725 001726 001726 001727 001728 001729	001712 001713 001714 001715 001716 001717 001719 001720 001721
		03/13/91 03/13/91 03/13/91	03/13/91 03/13/91 03/13/91 03/13/91	03/13/91	03/13/91

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D200-CONSUMER-ERROR-LINE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              D100-ERROR-HEADINGS-EXIT.
                                                                                                                                 IF FIRST-ERROR-RECORD
MOVE 'N' TO IS-THIS-FIRST-ERROR-RECORD
PERFORM D100-ERROR-WEADINGS
THRU D100-ERROR-WEADINGS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOVE SPACES TO ERROR-REPORT-LINE.

MOVE ' TO CC-LINE

MOVE 1 TO ADVANCE-AMOUNT.

HOVE ERR-HEADING-2 TO ERROR-REPORT-LINE.

PERFORM D900-WRITE-ERROR-LINE

THRU D900-WRITE-ERROR-LINE-EXIT.
                                                                                                                                                                                                                      HOVE CONSUMER STATUS IS * TO WS-ERR-MESSAGE-STATUS.

HOVE US-MESSAGE-STATUS TO WS-ERR-MESSAGE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IF CF-STATUS = 'A'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PERFORM DOOO-WRITE-ERROR-PAGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADD 1 TO WS-ERROR-PAGE-COUNT.
HOVE WS-ERROR-PAGE-COUNT TO ERR-PAGE-WARDER.
HOVE SPACES TO ERROR-REPORT-LINE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HOVE ERR-HEADING-1 TO ERROR-REPORT-LINE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IF CF-STATUS = 'I'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADD 1 TO WS-STATUS-A-CHT
                                                                                                   IF WS-TOTAL-ERROR-LINES > 45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     THRU DOGG-WRITE-ERROR-PAGE-EXIT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADD 1 TO WS-STATUS-I-CHT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IF CF-STATUS = 'F'
                               PERFORM D400-TOTAL-BREAK-EXIT
                                                                  CP-SSM NOT = WS-PREVIOUS-ERROR-SSM
                PERFORM D100-ERROR-HEADINGS
                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADD 1 TO WS-STATUS-F-CHT
                                                                                                                                                                                                                                                                                                                                                                                                                     IF CF-STATUS = 'D'
                                                                                                                                                                                                                                                                                                                               ELSE
                                                                                                                                                                                                                                                                                                                                                                  IF CF-STATUS = 'P'
                                                                                                                                                                                                                                                                                                                                                                                                  ADD 1 TO WS-STATUS-D-CNT
THRU D100-ERROR-HEADINGS-EXIT
                                                                                                                                                                                                                                                                                                               IF CF-STATUS = 'C'
                                                                                                                                                                                                                                                                                                                                              ADD 1 TO WS-STATUS-P-CHT
                                                                                                                                                                                                                                                                                             ADD 1 TO WS-STATUS-C-CNT.
               001809
001810
001811
001812
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001864	WS-SSN-1ST3-IN TO
001863	WS-77-SSN TO
001862	HOUT CP-SSN TO WS-77-SSN
200100	MOVE .A. IO WEE-CONDERM-DELWIT MATLEM.
659100	
001858	-
001857	
001856	EXIT.
	D210-CONSUMER-HEADINGS-EXIT.
001854	TEPL BOOK THE TROOP THE TENT
001853	DEM DODG-BRITE
001052	-
001851	MOVE 3 TO ADVANCE-AMOUNT.
	. Y. 10
/#010#	
001846	
001045	
001844	EXIT.
001843	D200-CONSUMER-ERROR-LINE-EXIT.
001042	
001041	SPACE TO
001040	MOVE SPACES TO WS-ERR-MESSAGE.
001839	
001838	
001037	PERFORM D900-WRITE-ERROR-
001836	
001835	HOVE 1
001834	HOVE . TO
001833	* MOVE SPACES TO ERROR-REPORT-LINE.
901632	
	THE TOUCHTON CONTROL TO THE THE
001030	F7 (CAV-1037-1040-1040-1044-1044-1
#01628	
001827	PERFORM DZ10-CONSUMER-HEADINGS
001826	IF CONS-ERR-HEADING-NOT-WRITTEN
001825	NOVE CP-SSN TO WS-PREVIOUS-ERROR-SSN.
001824	
001823	THRU DAGG-TOTAL-BREAK-EXIT.
001822	
001821	THE CREWOLD NOT A SPECIAL PROPERTY OF THE PROP
001020	MINT CHANGE LEVEN CO. LEVEL
	TEXT フータラーの5000-107000-70717
001817	CP-SSX # WS-PREVIOUS-ERROR-SSX
91816	AND
001015	IF WS-TOTAL-ERROR-LINES > 45
LISTING OF MODULE PBB00010	RUN NO. 746 DATE=06/14/91 TIME=0833

16,717,4 16,717,4 16,717,4 16,717,4 16,717,4 16,717,4 16,717,4

04/14/91 04/14/91 04/14/91

HOVE WS-SSN-ZNDZ-IN TO WS-SSN-ZNDZ-OUT. HOVE WS-SSN-LAST4-IN TO ERR-SSN. HOVE WS-SSN-LAST4-VI TO ERR-SSN. HOVE WS-SSN-LAST4-AVIE. HOVE WS-SSN-DOIT TO ERR-SSN. HOVE CF-FIRST-NAME TO ERR-LAST-NAME. HOVE CF-FIRST-NAME TO ERR-LAST-NAME. HOVE CF-FIRST-NAME TO ERR-LAST-NAME. HOVE CF-FIRST-NAME TO ERR-HESSAGE. HOVE CF-FIRST-NAME TO ERR-HESSAGE. HOVE SPACES TO ERROR-REPORT-LINE. HOVE SPACES TO ERROR-REPORT-LINE. HOVE SPACES TO ERROR-REPORT-LINE. HOVE SPACES TO ERROR-REPORT-LINE. HOVE SPACES TO ERROR-LINE. HOVE FIRST-ERROR-LINE. HOVE FIRST-ERROR-LINE. HOVE FIRST-ERROR-LINE. HOVE FIRST-ERROR-LINE. HOVE FIRST-ERROR-LINE. HOVE FIRST-ERROR-RECORD HOVE IN TO ISTHIS-FIRST-ERROR-RECORD HOVE IN TO ISTHIS-FIRST-ERROR-RECORD PERFORM DIGGERROR-HEADINGS FIRST DETAIL HOT-WRITTEN PERFORM DIGGERROR-HEADINGS FIRST DETAIL HOT-WRITTEN PERFORM DIGGERROR-HEADINGS-EXIT HIRD DIGGERROR-HEADINGS-EXIT PERFORM DIGGERROR-HEADINGS-EXIT HIRD DIGGE
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03/13/91 03/13/91

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03/13/91

RUN NO. 746

1		
84/14/91	001966	
84/14/91	276.00	CP-MPCH-AMT TO
04/14/91	496 T00	HOVE CP-ACCT-NBR TO ERR-ACCOUNT-NUMBER
16/47/10	001765	HOVE CT-TRCH-NAME TO EXX-TEXCHANT
14/01/48	204700	CF-CRCK-CR-FROME TO
	A01060	
	001961	_
	001060	
	98 26100	
	001958	_
	001957	
16/51/50	001956	HOVE CP-CHCK-PHONE TO NS-77-PHONE.
	001955	
	001954	MOVE "Y" TO ARE-MRCH-ERR-DETAIL-WRITTEM.
	001953	D320-MERCHANT-DETAIL.
	001952	
	001951	
	001950	EXIT.
	901949	D310-MERCHANT-HEADINGS-EXIT.
	001948	THRU D900-WRITE-ERROR-LIME-EXIT.
	001947	PERFORM 1990-WRITE-ERROR-LINE
	9946	MOVE ERR-HEADING-4 TO ERROR-REPORT-LINE.
	001945	HOVE 2 TO ADVANCE-ANOUNT.
03/13/91	001944	MOVE '0' TO CC-LINE
	001943	HOVE SPACES TO ERROR-REPORT-LINE.
	001942	HOVE "Y" TO ARE-MRCH-ERR-HEADINGS-WRITTEN.
	001941	D310-MERCHANT-HEADINGS.
	001940	
	001939	
	001938	EXIT.
	001937	5300-MERCHANT-ERROR-LINE-EXIT.
04/14/91	001936	MOVE SPACES TO ERROR-REPORT-LINE.
14/14/91	001935	
	001934	THRU D900-WRITE-ERROR-LINE-EXIT.
	001933	PERFORM D900-WRITE-ERROR-LINE
	001932	MOVE WS-ERR-MESSAGE-LINE TO ERROR-REPORT-LINE.
	001931	MOVE 1 TO ADVANCE-AMOUNT.
04/14/91	001930	MOVE TO CC-LINE.
	001929	HOVE SPACES TO ERROR-REPORT-LINE.
04/14/91	001928	
04/14/91	001927	GO TO D300-MERCHANT-ERROR-LINE-EXIT.
16/51/50	001926	THRU D320-MERCHANT-DETAIL-EXIT
	001925	
	001924	IF MRCH-ERR-DETAIL-NOT-WRITTEN
	991923	THRU D310-MERCHANT-HEADINGS-EXIT.
	001922	
	001921	IF MRCH-ERR-HEADING-NOT-WRITTEN
	001920	THRU D220-CONSUMER-DETAIL-EXIT.
	01919	
	001918	IF CONS-ERR-DETAIL-NOT-WRITTEN
	001917	THRU D210-CONSUMER-HEADINGS-EXIT.
	001916	PERFORM D210-CONSUMER-HEADINGS
	LISTING OF MODULE PERSONS	RUN NO. 746 DATE=06/14/91 TIME=0833

			RUN NO. 746
ELSE	MOVE CP-PAY-TYPE	IF CP-PAY-TYPE = "F"	DATE=06/14/91 TIME=0833
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LISTING OF MODULE PROGRESS

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16/21/20	002016	MOVE 0 TO WS-TOTAL-ERROR-LINES. MOVE '1' TO CC-LINE.
	002015	
	002013	
	002012	EXIT.
	002011	D400-TOTAL-BREAK-EXIT.
	002016	TOVE ARROW TO NOT PROPERTY.
	002008	THRU D900-WRITE-ERROR-LINE-EXIT.
	002007	PERFORM D900-WRITE-ERROR-LINE
	002006	
03/13/91		HOVE '0' TO CC-LINE
	002003	
	002002	PERFORM D900-WRITE-ERROR-LINE
	002001	
43/ X3/ 7X	002000	
02/12/01	061000	MOUNT OF TO TO THE TON THE TONE THAT TO THE TONE TONE TONE TONE TONE TONE TONE TON
	766190	
	. 001996	
	001995	æ
	001994	ADD WS-TOT-ERR-DOLLARS TO WS-GWD-TOT-ERR-DOLLARS.
	001993	D400-TOTAL-BREAK.
	001992	
	001991	
	40100	ESTT
	001906	ADD 1 TO WS-TOT-ERR-ITERS.
	001987	ADD CP-MRCH-AMT TO WS-TOT-ERR-DOLLARS.
	001986	THRU D900-WRITE-ERROR-LINE-EXIT.
	001965	•
	001984	MOVE ERR-DETAIL-2 TO ERROR-REPORT-LINE.
03/13/91	001982	
	196100	S
	001980	
	861979	MOVE WS-DATE-MDY-WITH-SLASHES TO ERR-PAY-DATE.
	001977	
	001976	MS-Y-YHD
04/14/91	001975	WS-77-DATE TO
14/11/10	001974	MOVE CP-MRCH-PAY-DATE TO WS-77-DATE.
16/61/60	2/6104	NOVE CT-TAI-ITE TO EXX-TATHEMI-ITTE-2.
04/14/91	001971	TO TO
04/14/91	001970	-
04/14/91	001969	SPACES TO
04/14/91	901967	MOVE CP-PAY-TYPE TO ERR-PAYMENT-
24/14/91	231967	IF CP-PAY-TYPE # "F" OR CP-PAY-TYPF # 'V'

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D900-WRITE-ERROR-LINE.

MOVE WS-LAST-COMMIT-COUNT TO JUNK-LINE.

MOVE WS-LAST-COMMIT-COUNT TO JUNK-COMMIT-KEY.

WRITE ERROR-REPORT-LINE FROM WS-PRINT-LINE
ADD ADVANCE-AMOUNT TO WS-TOTAL-ERROR-LINES.
                                                                                                                                                                                                                                                                                                                                                                                     E100-GET-CONSUMER-INFO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            D900-WRITE-ERROR-LINE-EXIT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  D800-WRITE-ERROR-PAGE-EXIT.
                                                                                                                                                                                                                                                                                                                                                                                                                            THE FOLLOWING MODULES EXTRACT INFORMATION FROM THESE TWO FILE # TOO1_CONSUMER_FILE AND PB.MERCHANT.MASTER.FILE
                                                                                                                                                                                                                                                                                                                               HOVE
HOVE
                                                                                                                                                                                                                                                                                                                                                                        HOVE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EXIT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOVE ERROR-REPORT-LINE TO JUNK-LINE.
HOVE WS-LAST-COMMIT-COUNT TO JUNK-COMMIT-KEY.
WRITE ERROR-REPORT-LINE FROM WS-PRINT-LINE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADD 1 TO WS-TOTAL-ERROR-LINES.
                                                                                                                                                                                                                                                                                                                  SQL SELECT
                                                                                                                                                                                                                                                                                                                             'N' TO ARE-CONS-RO-DETAIL-WRITTEN.
                                                                                                                                                                                                                                                                                                                                                                     "SELECT FROM TOOL IN PARAGRAPH ELOO.
                                                                                                                                                                                                                                                                                                                                           'N' TO ARE-CONS-ERR-DETAIL-WRITTEN
                                                                                                                                                                                                                                                                                                                                                        TO STEP-DENOTER.
                                                  CF_MID_INIT,
CF_ADDRESS1,
CF_ADDRESS2,
CF_CITY,
CF_STATE,
CF_ZIP_4,
CF_ZIP_4,
CF_ZIP_4,
CF_PART_TRANS,
CF_PART_TRANS,
CF_CCARD_MBR,
CF_CCARD_MBR,
CF_CCARD_EXP_DATE,
CF_DECLINE_STATUS,
CF_DECLINE_STATUS,
CF_VIP_STATUS,
CF_VIP_STATUS2,
CF_LAST_TRANS_DATE,
                                        CF_STATUS,
                                                                                                                                                                                                                                                           CF_LAST_NAME, CF_FIRST_NAME,
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RUN NO. 746 DATE=06/14/91 TIME=0833

CF-CAST-TRANS-DATE, CF-CREDIT-LIMIT, CF-CHECK-LIMIT, CF-CF-MTH-ITEMS, CF-CF-MTH-BAL, CF-CF-YTD-BAL, CF-TOT-MTH-BAL, CF-TOT-MTH-BAL, CF-TOT-YTD-ITEMS,	:CF-PAPR-ACCT-NDR, :CF-CCARD-NDR, :CF-CCARD-EXP-DATE, :CF-MAIDEN-NAME, :CF-DECLINE-STATUS, :CF-STATUS, :CF-VIP-STATUS2.	:CF-FIRST-NAME, :CF-MID-INIT, :CF-ADDRESS1, :CF-ADDRESS2, :CF-CITY, :CF-STATE, :CF-ZIP-4, :CF-ZIP-4, :CF-ACCT-NDR, :CF-ACCT-NDR,	GF_NBR_FREE, CF_FEE_HATRIX, CF_PRENOTE_DATE, CF_EFT_CODE, CF_BANK_NAME, CF_CHECK_SAVE, CF_RESET_PRENOTE (MTO) :CF-CHCK_LD, :CF-CHCK_LD,	CF_CREDIT_LINIT, CF_CHECK_LINIT, CF_CF_MTH_ITEMS, CF_CF_MTH_BAL, CF_CF_YTD_BAL, CF_TOT_MTH_ITEMS, CF_TOT_MTH_ITEMS, CF_TOT_MTH_BAL, CF_TOT_YTD_BAL, CF_TOT_YTD_BAL,
	002102 04/20/91 002103 002104 002106 002106 002107 002109 02/10/41		902984 902985 902985 902986 902986 902986 902986	902969 902971 902971 902973 902974 902975 902976 902977

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ELSE
                                                                                                    Ħ
                                                                                                                                                                                                                           If CF-EFT-CODE = 'E' OR 'P' OR 'B'
                                                                                                                                                                                                                                                                                                    ELSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ħ
                                                                                         IF CP-PAY-FREQ =
                                                                                                                                                              HOVE 'Y'
HOVE 'Y'
HOVE 'Y'
HOVE 'EFT CODE NOT E OR P OR B' TO ERR-HESSAGE-2,
                                                                                                                                                                                                                                                 THRU D200-CONSUMER-ERROR-LINE-EXIT.
                                                                                                                                                                                                                                                                                                                           CF-STATUS = 'A'
                                                                                                                                                                                                                                                                                                                                                 HOVE ALL "*" TO CF-LAST-NAME, ERR-LAST-NAME

CF-FIRST-NAME, ERR-FIRST-NAME

CF-MID-INIT, ERR-MI

PERFORM D200-CONSUMER-ERROR-LINE

THRU D200-CONSUMER-ERROR-LINE-EXIT.
                                                      ELSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                               SQLCODE = 100
                                                                                                                            PERFORM D200-CONSUMER-ERROR-LINE-EXIT.
                                                                                                                                                                                        HOVE 'Y'
                                                                                                                                                                                                               NEXT SENTENCE
                                                                                                                                                                                                                                                                           HOVE 'Y'
                                                                                                                                                                                                                                                                                                               NEXT SENTENCE
                                                                                                                                                                                                                                                                                                                                                                                                                        MOVE 'Y' TO IS-RECORD-IN-ERROR
MOVE 'Y' TO IS-CONSUMER-IN-ERROR
MOVE 'NOT ON CONSUMER FILE' TO ERR-MESSAGE-2,
                                                                                                                                                                                                                                                                                        HOVE 'Y'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               :CF-CHECK-SAVE,
:CF-RESET-PRENOTE
FROM TOO1_CONSUMER_FILE
WHERE CF_SSN = :CP-SSN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        END-EXEC.
MOVE 'Y' TO IS-RECORD-IN-ERROR
HOVE 'Y' TO IS-CONSUMER-IN-ERROR
HOVE 'PAY FREQ INVALID ' TO ERR-MESSAGE-2,
WS-ERR-MESSAGE
                                                                 NEXT SENTENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  :CF-BANK-NAME,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               :CF-EFT-CODE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         : CF-PRENOTE-DATE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       :CF-FEE-MATRIX,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           :CF-FREE-FLAG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    :CF-NBR-FREE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        :CF-TOT-YTD-BAL,
                                                                             'A' OR 'B' OR 'H' OR 'Q' OR 'S' OR 'T'
                                                                                                                                                                                                                                                                          TO IS-RECORD-IN-ERROR
TO IS-CONSUMER-IN-ERROR
                                                                                                                                                   WS-ERR-MESSAGE
                                                                                                                                                                                                                                                                                                                                                                                                              WS-ERR-MESSAGE
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PERFORM D300-MERCHANT-ERROR-LINE THRU D300-MERCHANT-ERROR-LINE-EXIT.	i	HOUR "CAMMOT BROCKERS THIS PAYMENT" TO FRE-MESSAGE+2.	TENTONT UDGG TRENCHANT TREBOOK TANTENTT	PTOTAL PROPERTY REPORT THE TAX TRANSPORT	POVE CONSUMER RECORD IN GRACES TO ERRIPHENDER FOR	TO THE PERSON OF	COCH PROPERTY OF THE PROPERTY		INKU BOOTHERCHAMITERRORTCIMETEALI.	TERT EVEC TERTOLING TERROR TERTO	THE STATE OF THE S	HOVE 'NO! ON REXCHANT FILE, TO EXXTENSIVAGE-2			PERFORM D300-MERCHANT-ERROR-LINE		HOVE 'NOT ON MERCHANT FILE' TO ERR-MESSAGE-2.	THRU D200-CONSUMER-MERROR-LINE-MXIT	PERFORM DISON-CONSTANT - HRROUT-LIVE	MOUTE - TO EAST-MEASTANDE	TE CONS-ESS-DETAIL-WOTTTEN	MOVT ・Y' TO IS・声音CORD・TN-音楽取り等	TO AT	PURITY OF ALL AND		READ MERCHANT-FILE.		MOVE WS-77-CR-PHONE TO MMR-CR-PHONE.	MOVE CP-MRCH-CR-PHONE TO WS-77-CR-PHONE.				MOUT "NOOD-OFT-MERCHANT-TATO" TO STEE-DENOTED	ESON-CET_MERCUAUT_THEN		EXIT.	E100-GET-CONSUMER-INFO-EXIT.		HOVE "N" TO PAY-BY-PHONE-SW.	ELSE	HOVE 'Y' TO PAY-BY-PHONE-SW	CF-VIP-STATUS2 = '14'	IF CF-VIP-STATUS = 'N' AND	THE PLAN CONSTRUCT FRANK FARE FALL.	TERTONO DOCUMENT FRANCE - TERTON - TERT	PERENTA JOSA AMERICAN FEBRUAR
002220	002219	002218	102217	71669	110000	400016	002213	002212	002211	102211	902290	/62786	002206	002205	002204	002203	002202	002201	002200	002199	902198	002197	002196	102195	992175	902192	002191	002190	002189	002188	002187	002186	#1019# #012##	002183	002182	002161	002180	002179	002178	002177	002176	002175	002174	2/1200	002171	1 1 1 1 1
:	04/14/91	16/14/91			16/71/75	94/14/91	16/14/91				14/47/44	14/41/20				04/14/91	14/14							********	10/2//2																	02/10/91	02/10/91			

PAGE 45

E300-CHECK-PRE

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IF CP-PREI
CP-ACCI
IF NHI
ELSE
IF HHI
ELSE
IF HHI
IF HHI
IF HHI
HOW
IF MAR-ROUTE-SETTLE = '11'
HOVE '02' TO MAR-ROUTE-SETTLE
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TAT NOT # '00'	002222	05/25/91
ENCE	002224	03/13/91
	002225	03/13/91
DUTE-SETTLE EQUAL '02'	002226	95/25/91
EQUAL	002228	05/25/91
EQUAL	002229	05/25/91
EQUAL	002230	05/25/91
DUTE-SETTLE EQUAL "12"	002231	05/25/91
	002232	05/25/91
1 F110-LOCATE-STLCODE-INDEX	002234	0 5/25/91
F110-LOCATE-STLCODE-INDEX-EXIT	002235	05/25/91
ODE-IN-TABLE	002236	05/25/91
SENTENCE	002237	05/25/91
	002238	05/25/91
THE TO THE TOUR SELLE.	002239	16/52/50
RENOTE-RESET > SQL-DRAFT-DATE	002241	
	002242	
DAF .et. to MM-MOOLE-SELLTE	082243	
R-ROUTE-SETTLE = '11'	002245	
NOVE '02' TO MMR-ROUTE-SETTLE	002246	
	002247	
17" 70" TO MAD: BOLTS: -08TTE S	002220	
;	002250	
CHANT-INFO-EXIT.	. 002251	
	002252	
	002253	
RWOTH.	002255	
	002256	
8	002257	
MR-ROUTE-SETTLE # '01'	992259 992259	05/25/91
	002260	05/25/91
	002261	05/25/91
ANA-AOGIE-SEITLE = "UZ"		05/25/91 05/25/91
	002264	05/25/91
MR-ROUTE-SETTLE = '03'	002265	05/25/91
EXT SENTENCE	902266	05/25/91
TARTEQUIE-SETTLE # 710"	002268	
호	002269	
	002270	
100 IE-	0022/1	
SAC SC TEM NOCICE OF THE	440000	

RUM NO. 746

DATE=06/14/91 TIME=0833

LISTING OF MODULE PBB00010

PACE

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IF PAY-BY-PHONE AND CP-PAY-TYPE = "F" HOVE CP-HRCH-ANT TO DRAFT-NEW-DATE. HOVE CP-HRCH-PAY-DATE TO DRAFT-NEW-DATE.	END-IF	P	MOVE ZEROS TO CP-CNG-DATE	ZEROS TO CP-HI	3	CP-PAY-TYPE # "F"	IF CP-NBR-REMAIN = 0	PAYMENT DATES AND AMOUNTS SET TO ZERO WHEN	HERE THE FOLLOWING 'IF' WILL CAUSE FIX PAYMENTS TO HAVE THEIR	IT CP-EGX-RENALE > G		END-15	TOPE ACROS TO CT-CHE-BAIR	IF CP-CHG-DATE = 29 OR 30 OR 31		ZEROS		MOVE BY-77-DATE TO FR-MBCH-PAY-DATE	WS-Y-MDY TO	MS-D-MDY TO	NS-H-MDY TO	MOVE DATE-MDY TO DATE-MOV	DATE-YY TO N	DATE-DO	MOVE DATE-MA TO DATE-M	PERFORM F115-CHECK-MONTH-END THRU		PERFORM JULIAN-TO-GREGORIAN THRU	FUTURE-DATE-FATT	FIZO-GET-RO	PERFORM F120-GET-ROLL-VALUES THRU		0	POUR MO-MOID-DATE-REMAINSVY TO DATE-MAINSVYVV	OL CHA-A-SA
902371 902372 902373 902373	002369	002367	002366	002364	002363	002361	002360	002358	002357	002355	002354	102353	165200	002350 002350	002349	002348	002347	772C00	002344	002343	002342	002340	002339	002338	002336	002335	002334	002333	155200	002330	002329	092328	002327	002325	002324
	06/05/91	96/95/91	96/95/91	16/50/90								6/05/91	06/05/91 16/05/91	96/95/91	06/05/91	•																			

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HHHHH MOVE ROLLOVER VALUES TO DETAIL REPORT.
                                                                                                                         F115-CHECK-HONTH-END.

IF CP-PAY-FREQ: "B" OR "W"

NO CHANGES FOR MEEKLY TYPE PAYMENTS
                                                                                                                                                                                                                                                                                                                     MOVE 'N' TO STLCODE-IN-TABLE-SW. F110-LOCATE-STLCODE-INDEX-EXIT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  F110-LOCATE-STLCODE-INDEX.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             F100-ROLLOVER-ROUTINE-EXIT.
                                                                                                                                                                                                      THE FOLLOWING MODULE CHECKS CP-CHG-DATE TO SEE IF A DAY VALUE # HAS BEEN STORED THERE BY PBLD0010. IF THERE, THE NUMBER IS # THE CUSTOMER'S CHOSEN DRAFT DAY UNCORRUPTED BY ROLLING FROM # HONTH TO MONTH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IF THE SETTLEMENT CODE IS NOT ONE OF THE HARDCODED ONES, "01",02","03",'10",'11",'12", THEN LOOK IN THE TABLE TO FIND IT. IF THE TABLE ENTRY IS FOUND, THEN THE STLCODE-IN-TABLE WILL BE TRUE AND THE INDEX WILL POINT TO THE PROPER ENTRY.

NOTE: THE SEARCH LOOKS UNTIL END OF TABLE OR WE HAVE GOME BEYOND THE SETTLEMENT CODE WE ARE LOOKING FOR.
                                                               Ŧ
                                                                                              END-IF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOVE SPACES TO RO-EXTRA-PAYMENT.
                                                                                                                                                                                                                                                                                                       EXIT.
                                                                                                                                                                                                                                                                                                                                                      ELSE
                                                                                                                                                                                                                                                                                                                                                                    IF TFR-TBL-SC-CODE (TFR-IDX) EQUAL HMR-ROUTE-SETTLE HOVE "Y" TO STLCODE-IN-TABLE-SW
                                                                                                                                                                                                                                                                                                                                                                                                        ELSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PERFORM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SET TFR-IDX TO 1.
                                                                                                                                                                                                                                                                                                                                                                                                                      IF TFR-IDX GREATER THAN TRANFREE-TBL-ENTRIES MOVE 'N' TO STLCODE-IN-TABLE-SW
                                                                                                                                                                                                                                                                                                                                                                                                                                                    END-PERFORM.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 UNTIL TFR-IDX GREATER THAN TRANFREE-TBL-ENTRIES
OR TFR-TBL-SC-CODE (TFR-IDX) EQUAL WHR-ROUTE-SETTLE
OR TFR-TBL-SC-CODE (TFR-IDX) GREATER THAN MHR-ROUTE-SETTLE
MOVE CP-CHG-DATE TO DATE-DD
HOVE DATE-MIDDYVYY TO DATE-EOH
HOVE DATE-N-EOH TO DATE-D
HOVE DATE-D-EOH TO DATE-D
                                                              CP-CHG-DATE = 29 OR 30 OR 31
                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SET TER-IDX UP BY 1
                                                                                                             TO F115-CHECK-MONTH-END-EXIT
                              902414
902415
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902416
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902419
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002527	THRU G130-PAPER-ITEMS-EXIT	
002525	IF CF-EFT-CODE = 'P'	
002524		
002523	** HAVE AN EXTRACT PROGRAM TO CREATE PAYABLE THRU CHECKFREE	
002522	THE AMOUNT. THIS IS BEING	
002521	IF THE EFT IS A 'P' CREATE	
002520		
002519	THRU G130-PAPER-ITEMS-EXIT	
002518	PERFORM G130-PAPER-ITEMS	
002517	WS-77-HOLD-PAY-DATE < CF-RESET-PRENOTE)	
002516	AND	
002515	(CF-RESET-PRENOTE > ●	
002514	OR	
002513	If CF-STATUS = 'P'	
002512	XXX	
002511		
002510		
002509	WILL BE PAID	
002500		
002507	!	
002506	IF THE EFT CODE	
	•	
002503		
002502		
002501	PLUS THE CURREN	
	5	
102499	2	
	:	
102497	Ť	
002496	PAPER ITEMS.	
002495	AND ANY NOTIFICATIONS	
002494		
002493	*** NOTES FOR THIS SECTION.	
002492		
082491		
002498	END-FVALUATE	
00000	COMPATTS CHIEF	
102488	BUEN CATALOGUE AND CATALOGUE A	
1004300	MONE FOR OUT TO PROTECT THAT	
COP200	THEN THE TOTAL ANT A CHILD	
\$5000 \$0000 \$0000	WHICH THE CREEK - CLAIM WELL WHICH I THE	
504200	EURICA IN CONTROL TEET 194 (IIII)	
002462		
002481	TFR-RMT-TOT-ITENS.	
002480	TFR-COL-TOT-ITEMS,	
002479		
002478	ADD 1 TO CF-TOT-NTH-ITEMS.	
LE PBB00010	RUN NO. 746 DATE=06/14/91 TIME=0833 LISTING OF MODULE PROGOCOLO	_
		_

01/02/91 01/02/91 01/02/91 01/02/91 01/02/91 01/02/91 01/02/91 05/25/91 05/25/91

05/25/91

	002678	
	002577	WS-77-HOLD-PAY-AMOUNT T
	002576	WS-77-HOLD-PAY-DATE TO
	002575	HOVE CF-CHECK-SAVE TO PDR-CHECK-SAVE.
04/20/91	002574	0
04/20/91	002573	CP-ACCT-NBR TO PDR-CUST
	002572	HOVE CF-NID-INIT TO PDR-MID-INIT.
	002571	MOVE CF-LAST-NAME TO PDR-LAST-NAME.
	002570	CF-FIRST-NAME TO
	002569	CP-SSN
	002568	MIR-ROUTE-SETTLE TO
	002567	MIR-REHIT-ZIP TO
	002566	PHR-REMIT-ST TO
	002565	10
	002564	MAR-REMIT-ADDR2 TO
	002563	HOVE HAR-REMIT-ADDRI TO PDR-MRCH-ADDRI.
	002562	MOVE CP-MRCH-CR-PHONE TO PDR-MRCH-CR-PHONE.
	002561	HOVE CP-MRCH-PHONE TO PDR-MRCH-PHONE.
	002560	70
	002559	
	002558	
	002557	
	002556	
	002555	THRU G130-PAPER-ITENS-EXIT.
	002554	PERFORM G130-PAPER-ITENS
	●02553	ELSE
	002552	
	002551	PERFORM G130-PAPER-ITEMS
	002550	FROM CF-CF-MTH-BAL
	002549	SUBTRACT WS-77-HOLD-PAY-ANOUNT
	. 002548	ELSE
	002547	THRU G140-ACH-ITEMS-EXIT
	002546	PERFORM G140-ACH-ITEMS
	002545	OR = CF-CREDIT-LIMIT
	002544	IF CF-CF-NTH-BAL < CF-CREDIT-LIMIT
	002543	ADD WS-77-HOLD-PAY-ANOUNT TO CF-CF-MTH-BAL
	000542	
	002541	TF EX-77-ENI N-PAY-AMNIBLY & OFF-DEFOY-1 THIT
	002539	El CE INNO 6149"ACH"LIEND"EXII
	002538	TEXT GLAD ACT TERS
	002537	CT-CHECK-LINIT > ZEROS
01/02/91	002536	IF WS-77-HOLD-PAY-ANOUNT < WS-CREDIT-LIMIT AND
10/31/90	002535	
10/31/90	002534	THRU G130-PAPER-ITENS-EXIT
10/31/90	002533	PERFORM G130-PAPER-ITEMS
10/31/90	002532	CP-ACCT-SCHEME # 'N')
10/31/90	002531	(CP-ACCT-SCHEME = 'R' OR
10/31/90	002530	IF NHR-MC-ACCT-SCHEME-CHECK = 'Y' AND
04/20/91	002529	IF CF-EFT-CODE = 'E' OR 'B'
	002528	ELSE

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*** PAPER CHECK PAYABLE THRU CONSUMER.
*** ALSO KNOWN AS A PAPER DRAFT.
                                                                                                                                                                                                                                                                                                                     *** SETTLEMENT CHECK PAYABLE THRU CHECKFREE.
                                                                                                G120-CHECK-ITEMS-EXIT.
                                                                                                                                                                                                                                                                                                                                                                                              GO TO G100-TRANHOLD-RECORD-EXIT.
                                                             G130-PAPER-ITEMS.
                                                                                                                                                                                                                                                                                                                                             G120-CHECK-ITEMS
                                                                                                                                                                                       CHP-METH-PAY SHOULD BE SAME AS PDR-MRCH-SETTLE UNLESS
                                                                                                                                                                          A PAPER DRAFT IS BEING CREATED, THEN IT SHOULD BE '99'.
                                                                                                              HOVE 'P' TO PDR-HODIFIER. HOVE 'C' TO RO-METHOD.
                                                                                                                                                                                                                                                                                                                                                                                                                        ELSE
ADD 1 TO
                                                                                                                                                                                                                HOVE HHR-ABRY TO PDR-HRCH-ABRY.
                                                                                                                                                   MOVE MIR-ROUTE-SETTLE TO
                                                                                                                                                                                                                                                                                                                                                                                                                                                            THRU G900-WRITE-TRANHOLD-EXIT.

IF RO-METHOD = 'A' OR 'C'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOVE SPACES
HOVE PDR-JUL-DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HOVE WS-TRACE-NOR
HOVE WS-77-TRACE-NOR
HOVE 'C'
                                                                                                                                                                                                                                                      CF-CF-YTD-ITEMS.
ADD WS-77-HOLD-PAY-AMOUNT TO
                                                                                                                                                                                                                                                                                            ADD 1 TO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PERFORM TRACKING-NBR-CALC-EXIT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PERFORM 6900-WRITE-TRANHOLD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PERFORM G150-WRITE-HISTORY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOVE TRACKING-NBR-ENC TO
                                                                                                                                                                                                                                                                                                                                                                                                                                    PERFORM G200-CREATE-MRCH-CREDIT-EXIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                THRU G150-WRITE-HISTORY-EXIT.
TFR-COL-PPR-ITEMS
                                                                                                                                                                                                                                                                                             TFR-COL-CIX-ITEMS
                                                                                                                                                                                                                              CF-CF-YTD-BAL.
                                                                                                                                                                                                                                         TFR-COL-CHK-DOLLARS
                                                                                                                                                                                                                                                                               CF-CF-MTH-ITEMS
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PDR-JUL-DATE.
PDR-TRANFREE.
                                                                                                                                                    CHP-METH-PAY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PDR-TRACK-NOR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PDR-ORIGIN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TRACKING-JULIAN-DATE.
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	002680	HOVE FUNCTIONAL TO CHE-SON.
	002679	G150-WRITE-HISTORY.
	002678	
	002677	发展的现在分词 医克里氏 医克里氏 医克里氏 医克里氏 医克里氏 医克里氏 医克里氏 医克里氏
	002676	* MUCH WAS FAID FOR A CONSUMER IN THIS DRAFT PROGRAM. *
	002675	* THIS MODULE WRITES A HISTORY RECORD OF WHO, WHAT, AND HOW
	002674	-
•	002673	
	002672	
	002671	EXIT.
	002670	G140-ACH-ITENS-EXIT.
	902669	MOVE '8' TO PDR-MODIFIER.
	00266	1
	002667	HOVE TO PDR-NODIFIER
	1115	TE NTCHT-ACH
	002645	HOVE 'A' TO RO-HETHOD.
	2007	;
	299200	MOVE WAR-BONITE-SETTI E TO CHR-METH-BAY
	199280	X A FAFER BRAFT IS BEING CREATED, THEN II SMALL BE '77'.
	002660	3
	002659	
	002658	
	002657	MOVE CP-HRCH-NAME TO PDR-HRCH-ABRV.
	002656	
	002655	CF-CF-YTD-BAL.
15/25/91	002654	TFR-COL-ACH-DOLLARS
	002653	ADD WS-77-HOLD-PAY-AMOUNT TO
	002652	CF-CF-YTD-ITENS.
	002651	CF-CF-NTH-ITENS
05/25/91	002650	ADD 1 TO TFR-COL-ACH-ITEMS
	002649	***
	002648	*** ACH PAVABLE THRU CHECKFREE.
	002647	N B B
	002646	G140-ACH-ITERS.
	002645	
	S4920A	EXIT.
	002642	GIVA-PAPER-TICK-EVIT
	002641	TOUR TO TURNING HER.
	002640	
	002639	MOVE "99" TO CHP-METH-PAY.
	002638	
	002637	* A PAPER DRAFT IS BEING CREATED, THEN IT SHOULD BE '99'
	002636	* CMP-METH-PAY SHOULD BE SAME AS PDR-MRCH-SETTLE UNLESS
	#24200	
05/25/91	002633	POUR PRE-ARRY TO PRO-ARRY
05/25/91	002632	TER-ENT-ERE-TOIL ARC
	002631	AUU WS-17-HOLU-FAV-BOROWI [O
05/25/91	002630	TFR-RXT-PPR-ITENS.
	WIE LEBEGGIA	
		NO. 746 DATE::A/14/91 TIME::DATE:: 10/41/46 17/10/10/10/10/10/10/10/10/10/10/10/10/10/

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HOVE PDR-MID-INIT TO CHP-MRCH-PHONE.

HOVE PDR-MRCH-CR-PHONE TO CHP-MRCH-CR-PHONE.

HOVE PDR-MRCH-CR-PHONE TO CHP-MRCH-CR-PHONE.

HOVE PHR-MANE TO CHP-MRCH-AMT.

HOVE PDR-ANT TO CHP-MRCH-AMT.

HOVE PDR-PROC-DATE TO CHP-ACCT-MBR.

HOVE PDR-CUST-ACCT TO CHP-ACCT-MBR.

HOVE PDR-ULL-DATE TO CHP-JUL-DATE

HOVE ZEROS TO CHP-CHECK-MBR

CHP-RTM-REASON

CHP-RTM-REASON

CHP-RTM-REASON
                                                                                                                                                                                                                                                                                                    INTO TOO6_CONS_HIST_PAY
(CHP_SSN,
CHP_CROSS_R_PHONE,
CHP_CHCK_CR_PHONE,
CHP_LAST_NAME,
                                                                                                                                                                                                                                                                                                                                                                                                          CHP-RIN-COMMENT.

HOVE CP-LAST-TRANS-DATE TO CHP-LST-TRANS-DATE.

HOVE PDR-TRACK-NBR TO CHP-TRACK-NBR.

HOVE 'INSERT INTO T006 IN PARAGRAPH 6150.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HOVE
                                                                  VALUES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PDR-MRCH-PHONE TO CHP-CROSS-R-PHONE.
PDR-MRCH-CR-PHONE TO CHP-CHCK-CR-PHONE.
PDR-LAST-MAME TO CHP-LAST-MAME.
PDR-FIRST-MAME.
                                                                                                                                                                                                                                                                                                                                                                                                    TO STEP-DENOTER.
:CHP-CROSS-R-PHONE,
:CHP-CHCK-CR-PHONE,
:CHP-LAST-MAME,
:CHP-FIRST-MAME,
                                                     ( :CHP-SSN,
                                                                                                                                                                     CHP_MRCH_NAHE,
CHP_MRCH_AMT,
CHP_PAY_DATE,
CHP_METH_PAY,
CHP_ACCT_NBR,
CHP_JUL_DATE,
                                                                           CHP_RTN_COMMENT,
CHP_LST_TRANS_DATE,
CHP_TRACK_NBR)
                                                                                                                                           CHP_CHECK_NBR,
                                                                                                                 CHP_RIN_STATUS,
                                                                                                                               CHP_RTN_REASON,
                                                                                                                                                                                                                                                    CHP_MRCH_CR_PHONE,
                                                                                                                                                                                                                                                                 CHP_MRCH_PHONE,
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G900-WRITE-TRANHOLD. HOVE WS-LAST-COMMIT-COUNT WRITE PB-DRAFT-RECORD. G900-WRITE-TRANHOLD-EXIT. EXIT.	G200-CREATE-MRCH-CREDIT-EXIT. EXIT.		WS-77-TRACE-NOR	MOVE VS-TRACE-NBR TO	WS-77-HOLD-PAY-DAT	·C'	HOVE CF-HID-INIT TO	CF-LAST-NAME	HOVE CF-FIRST-NAME TO	HHR-ROUTE-SETTLE	HOVE MMR-REMIT-ZIP TO	HHR-REMIT-CITY	MMR-REMIT-ADDR2	MOVE CP-MRCH-CR-PHONE TO	HOVE CP-HRCH-PHONE TO	END-IF.	END-IF	END-IF	HOVE 'E'	IF NIGHT-ACH	ADD WS-77-HOLD-PAY-AHOUNT		ADD 1 TO
TO PB-DRAFT-COMMIT-KEY	LD-EXIT.	PDR-TRACK-NER.		D WS-77-TGACE-WAR	_ 0	}	PDR-MID-INIT		PDR-FTRAT-NAME		D PDR-MRCH-ZIP				D PDR-MRCH-PHONE				TO PDR-MODIFIER		-AHOUNT TO	EMS	

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RUM NO. 746

DATE=96/14/91 TIME=0833

LISTING OF MODULE PBB00010

05/25/91

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ELSE

ONE :	CP CHCK PHONE #; CP-CHCK-PHONE	CP_SSN	EXEC SOL DELETE FROM TOOS CONSUMER PAY	47 204 4704-804	TO STEP-DENOTER	DELETE FROM TO	WS-DELETED-DATE TO	HOVE CP-PAY-TYPE TO WS-DEL-PAY-TYPE	ELSE		END-IF		CP_PAY_TYPE =: CP-PAY-TYPE		CP_MRCH_CR_PHONE =: CP-MRCH-CR-PHONE	•	TO MECH PHONE H: CO-MECH-PHONE	AND AND CR THANK AT CITATION CR. TIMES	•	CP_CHCK_PHONE =: CP-CHCK-PHONE	İ	#		#	#	CP MRCH PAY DATE =:	SET CP MRCH ANT B: CP-MRCH-ANT,	SOL INDIATE	TE NOT TERT-PON	EQUAL			NOTER.	MOVE 'UPDATE OF TOO'S IN PARAGRAPH HIGO.	ATE-TABLES.		京家家家家家家家家家家家家家家家家家家家家家家家家家家家家家家家家家家家家		T002_CONSUMER_PAY WITH NEW PAYMENT INFORMATION AND	THE FOLLOWING MODULE UPDATES TOOL CONSUMER FILE AND	南油浓素医油液医液液医液液医液液溶液医液液医液液溶液溶液 医克克克氏 医克克克克氏征 医克克克氏征 医克克克克氏氏征 医克克克克氏征 医克克克克氏征 医克克克克氏征 医克克克氏征 医克克克氏征 医克克克氏征 医克克克氏征 医克克克氏征 医克克克氏征 医克克克氏征 医克克克克氏征 医克克克克氏征 医克克克氏征 医克克克氏征 医克克克氏征 医克克氏征 医克克克氏征 医克克氏征 医克克氏征 医克克克氏征 医克克氏征 医克克氏征 医克克克氏征 医克克克氏征 医克克克氏征 医克克克克克克氏征 医克克克氏征 医克克克氏征 医克克克氏征 医克克克氏征 医克克克克氏征 医克克克克氏征 医克克克氏征 医克克克克氏征 医克克克氏征 医克克克氏征 医克克克克氏征 医克克氏征 医克克氏氏征 医克克氏氏征 医克克氏氏征 医克克氏氏征 医克克氏氏征 医克克氏氏征 医克克氏氏征 医克克克氏氏征 医克克氏氏征 医克克氏征 医克克氏氏征 医克克氏氏征 医克克氏氏征 医克克氏氏征 医克克氏氏征 医克克氏氏征 医克克克氏氏征 医克克氏氏征 医克克氏氏征 医克克氏氏征 医克克氏氏征 医克克氏氏征 医克克氏氏征 医克克氏氏征 医克克氏氏征 医克克克氏氏征 医克克氏氏征 医克克氏征 医克克氏氏征 医克克氏征 医克克氏氏征 医克克氏氏征 医克克氏征 医克克氏征 医克克氏征 医克克氏征 医克克氏征 医克克氏征 医克克氏征 医克克氏氏征 医克克氏氏征 医克克氏氏征 医克克氏氏征 医克克氏氏征 医克克氏氏征 医克克氏氏征 医克克氏征 医克克氏征 医克克氏征 医克克氏征 医克克氏征 医克克氏征 医克克氏征 医克克氏 医克克氏		
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INDO-CREDIT-OFFSETS. MOVE ZERO TO ACH-OFFSET-DOLLARS. ADD TFR-RMT-ACH-DOLLARS TO ACH-OFFSET-DOLLARS. ADD TFR-RMT-CHK-DOLLARS TO ACH-OFFSET-DOLLARS. SET TFR-IDX TO 1. PERFORM VARYING TFR-IDX FROM 1 BY 1 UNTIL TFR-IDX GREATER THAN TRANFREE-TBL-ENTRIES ADD TFR-TBL-SC-DOLLARS (TFR-IDX) TO ACH-OFFSET-DOLLARS END-PERFORM. IF ACH-OFFSET-DOLLARS GREATER THAN ZERO NEXT SENTENCE:	END-IF. H100-UPDATE-TABLES-EXIT. H100-UPDATE-TABLES-EXIT. EXIT. EXIT	EXEC SQL UPDATE TOO1_CONSUMER_FILE SET CF_CF_MTH_ITENS =: CF-CF-MTH-ITENS, CF_CF_MTH_BAL =: CF-CF-YTD-BAL, CF_CF_YTD_BAL =: CF-CF-YTD-BAL, CF_TOT_MTH_ITENS =: CF-TOT-MTH-ITENS, CF_TOT_MTH_BAL =: CF-TOT-MTH-BAL, CF_TOT_YTD_BAL =: CF-TOT-YTD-ITENS, CF_TOT_YTD_BAL =: CF-TOT-YTD-BAL AND OF_CHCK_ID =: CF-CNCK-ID	HOVE 'UPDATE OF TOOL IN PARAGRAPH HIGO. TO STEP-DENOTER. If NOT TEST-PGM	CP_MRCH_PHONE =: CP-MRCH-PHONE AND CP_MRCH_CR_PHONE =: CP-MRCH-CR-PHONE AND CP_AY_TYPE =: CP-PAY-TYPE AND CP_ACCT_NBR =: CP-ACCT-NBR
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ADD 1 TO WS-SUPPARE-COUNT TO SUM-PARE-MEDIED.	HOVE 'OVERALL' TO SUM-DRAFT-DATE.	J200-WRITE-GRAND-SUMMARY.		*************************************	* THE FOLLOWING MODULES CREATE THE SUMMARY REPORTS.	而水果 电光 医水水 医水水 医生物 医二甲基甲基 医二甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基			EXIT.	IIOO-CREDIT-OFFSETS-EXIT.		PERFORM G900-WRITE-TRANHOLD	SPACES TO	HOVE TRACKING-NBR-ENC TO PDR-T	THRU TRACKING-NOR-CALC-EXIT.	ORM TRACKING-MBR-CALC	PDRJUL-DATE TO	'H'	WS-77-TRACE-MAR TO	5 8	11467468676* TO	ACH-OFFSEI-DULLARS IN	SQL-DRAFT-DATE TO	·C' 10	10-72049' 10	944009937 TO	ZEROS TO	SPACE TO	CREDIT	MOVE CENTRATES TO FIRST TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO	75500 TO TO	430810800 TO	. но.	WESTERVILLE. TO	SPACES TO	TO CREENCRECT TO	CHECKEREE TECH . TO	70			UVE 'E'	-ACH	70	10	
				宋宗宋宋宗宗宋宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗	MMARY REPORTS.								PDR-ORIGIN.	PDA-TRACK-NBR.			TRACKING-, MILTAN-DATE	PDB-TBANEBER	POPLEM -DATE	MS-77-TOACE-MED	DDD-TOMBANY:NBD	TO STREET	PDR-PROC-DATE.	PDR-CHECK-SAVE.	PDR-ACCT-NBR.	PDR-ROUTE-TRANS.	PDR-CUST-ACCT.	PDR-MID-INIT.	PDR-LAST-NAME.	BDB-NTBAT-MAMA	PDR-MRCH-SETTLE.	PDR-MRCH-ZIP.	PDR-MRCH-STATE.	PDR-MRCH-CITY.	PDR-MRCH-ADDR2	938-18676-A3781	PRO - MACH-ABBU	IDOU-OB-BUOME	PDB-MBCH-BHCMF		PDR-HODIFIER		PDR-STATUS.	PDR-DB-CR-CODE.	
002985	002984	002983	002982	002961	002980	002979	002978	002977	002976	002975	002974	002973	002972	002971	002970	99669	002968	002967		240045	002964	296200	002961	002960	002959	002958	002957	92450 11111	0007955	002953	002952	002951	002950	002949	002948	902740	2000 C		002943	256208	002941	002940	002939	002938	002937
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MOVE "CHECK" TO		TFR-COL-CHX-ITEHS	*FOR*	"COLLECTIONS"	*CHECK*	HOVE SPACES TO	WRITE CHECK ITEMS LINE		THRU J900-WRITE-SUM-LINE-EXIT.	H L900-WRITE-SUM-LINE	N	MOVE .0. TO	SUM-DETAIL	HOVE TFR-RMT-PPR-DOLLARS TO			*REMITTANCES*	*PAPER*	TFR-COL-PPR-DOLLARS	MOVE TFR-COL-PPR-ITEMS TO	HOVE FOR' TO	HOVE 'COLLECTIONS' TO	MOVE 'PAPER' TO	MOVE SPACES TO	WRITE PAPER ITEMS LINE		THRU J900-WRITE-SUM-LINE-EXIT.				MOVE SUM-HEADING-4 TO SUMMARY-REPORT-LINE	MOVE SPACES TO SUMMARY-REPORT-LINE.	THRU J900-WRITE-SUM-LINE-EXIT.		1		MOUT SIM-MEADING-3 TO SIMMARY-BERORT-I THE	MOVE SPACES TO SIMMARY-REPORT-1 THE	TUBLE IDON'T BITTE CONTINUES.	PERFORM IGOAL WRITE - SIM-1 THE		Š			PERFORM JOOG-WRITE-SUM-PAGE	MOVE 0 TO ADVANCE-AMOUNT	HOVE '+' TO CC-LINE	SUM-HE/	HOVE SPACES TO SUMMARY-REPORT-LINE.
SUM-RMT-TYPE-LIT.						SUM-DETAIL.			XIT.		_	CC-LINE.		SUM-RHT-DOLLARS.					_			SUM-COL-COL-LIT.	SUM-COL-TYPE-LIT.	SUM-DETAIL.			XIT.				-REPORT-LINE.		XIT.				7-67900T-1 TER					- RETURE - LINE .		XIT.				/-REPORT-LINE.	T-PINE.
003037	003036	003035	003034	003033	003032	003031	003030	003029	003028	003027	003026	003025	003024	003923	003022	003021	093020	003019	003018	003017	003016	003015	003914	003013	003012	003011	003010	003009	003008	003007	003006	003005	003004	X O O X O O	003862	003001		992999	164200	944200	002995	466200	002993	002992	002991	002990	002989	002988	002987
05/25/91	05/25/91	05/25/91	05/25/91	05/25/91	05/25/91	05/25/91	05/25/91				05/25/91	05/25/91	05/25/91	05/25/91	05/25/91	05/25/91	05/25/91	05/25/91	05/25/91	05/25/91	05/25/91	05/25/91	05/25/91	05/25/91	05/25/91					03/13/91		<i>:</i>				93/13/91					03/13/91						03/13/91		

J200-WRITE-GRAND-SUMMARY-EXIT.	THRU J900-WRITE-SUM-LINE-EXIT.	DRM J900-WRITE-SUM-LINE	2 10	HOVE '0' TO CC-LINE.	HOVE SUM-DETAIL TO SUMMARY-REPORT-LINE.	T-DOLLARS TO	TEN-KMI-101-11EMS TO	TON THE TON TH	- SENT INVEST	DENTTANCES TO	TOTAL TO	-PATTAL TRE-TOX DEDINATED THAN TOANSBERT-TRE-ENTERS	CARVING THE THE HEALT SV TONE	TERL JACOS CRITE (COLON COLON	THROOK JAPANTH-PATCODR-ALE	TFR-IDX TO 1.	TFR-COL-TOT-DOLLARS TO	TFR-COL-TOT-ITEMS TO	70	TIONS' TO SUM-COL-COL-LIT.		MOVE SPACES TO SUM-DETAIL.	* START COLLECTIONS TOTAL LINE		THRU J900-WRITE-SUM-LINE-EXIT.			70	SUM-DETAIL TO	TFR-RHT-ACH-DOLLARS TO	TFR-RHT-ACH-ITEMS TO	FOR TO	"REMITTANCES" TO	*ACH*	TFR-COL-ACH-DOLLARS TO	TFR-COL-ACH-ITEMS TO	FOR TO	COLLECTIONS!	10	MOVE OBATES TARE	RESIDENCE TIENS I THE	INTO JYOU-WALLE-SCH-LINE-EXIT.	TERM COOR EDITO SINT TERMS	PROPERTY TO ADVANCE-AMOUNT.	.e.	SUM-DETAIL TO	TFR-RHT-CHX-DOLLARS TO	TFR-RMT-CHX-ITEMS TO	70R	REUTITANCES. 10
003088	003087	003086	003085	003064	003083	003082	003081	993989	983079	9039/0	1,000	002077	003076	003075	003074	003073	003072	003071	093070	003069	90 306 0	003067	003066	003065	003064	003063	003062	003061	003060		003056				CCACAA	250500	15050	003050	003049	903948	003047	003046	003045	003044	003043	003042	003041	003040	003039	003038
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* CREATES THE DRAFTED ITEMS FILE FOR PAY-BY-PHONE CONSUMERS.
                                                                                                                       HOVE SUPMARY-REPORT-LINE TO JUNK-LINE.
HOVE WS-LAST-COMMIT-COUNT TO JUNK-COMMIT-KEY.
WRITE SUPMARY-REPORT-LINE FROM WS-PRINT-LINE.
J900-WRITE-SUM-LINE-EXIT.
                                                                                                                                                         K100-DRFTITEM-RECORD.
                                                                                                                                                                                                                                           J900-WRITE-SUM-LINE.
                                                                                                                                                                                                                                                                                J800-WRITE-SUM-PAGE-EXIT.
                                                                                                                                                                                                                                                                                                                                         J800-WRITE-SUM-PAGE.
                                                                                                                                                                                                                                                                                                                                                                               J300-WRITE-STLCODE-SUM-EXIT.
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HOVE SUPPLARY-REPORT-LINE TO JUNK-LINE.

HOVE WS-LAST-COPPLIT-COUNT TO JUNK-COPPLIT-KEY.

WRITE SUPPLARY-REPORT-LINE FROM WS-PRINT-LINE.
                                                                                                                                                                                                                                                                                                                                                                    EXIT.
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                                                                                                                                                                                                                                                                                                                                                                                                                                         MOVE SUM-DETAIL
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         E CP-SSN
E CP-CHCK-CR-PHONE
E CP-CHCK-PHONE
E CP-CAT-NBR
E CP-NEMONIC
E CP-PAY-FREQ
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 CP-STATUS
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        O DRAFT-CHECK-DIGIT.
O DRAFT-SSN.
O DRAFT-MRCH-XREF.
O DRAFT-MRCH-PHOME.
O DRAFT-MRCH-CAT.
O DRAFT-MRCH-MNEMONIC.
O DRAFT-PAY-FREQ.
 DRAFT-PAY-STATUS.
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K150-WRITE-DRFTITEM-EXIT.	HOVE WS-LAST-COMMIT-COUNT TO DRFTITEN-COMMIT-KEY WRITE DRFTITEM-RECORD FROM DRAFT-RECORD.	K150-WRITE-DRFTITEM.		K100-DRFTITEM-RECORD-EXIT.	DRAFT-CHECK-DIGIT.	DRAFT-NRCH-NAME,	DRAFT-PAY-STATUS,	DRAFT-PAY-TYPE	SPACES TO	MOVE ZEROES	** THE FULLWAING FACUS ARE BEING INTITACIACE FOR NOW AND WILL ** BE USED LATER IN PHASE 2.		TERO KISO-KRITE-DRFTITEN-EXIT.	BEDFORM KIRO-MOTTE - IDETITEM	MOVE 'V' TO DRAFT-PAY-TYPE.		MOVE CP-PAY-TYPE TO DRAFT-PAY-TYPE		ZEROS	HOVE ZEROS TO DRAFT-PAY-ANT-IST-CHO	MOVE CP-MRCH-PAY-DATE TO DRAFT-PAY-DATE-LST-CHG	MOVE CP-MRCH-ANT TO DRAFT-PAY-ANT-LST-CHG	CP-MRCH-PAY-DA	TE (CP-MCH-AMT > 6 AMB	TO	AY-TYPE N	IF (CP-PAY-TYPE = 'V' OR	ELSE TOVE ZEROS IG DRAFI-PAY-DATE-LST-CHG	ZEROS	IF CP-PAY-TYPE = "F"	MOVE CP-HRCH-NAME TO DRAFT-HRCH-NAME.	EMAIN		MOVE 999 TO DRAFT-NO-PANTS-REMAIN	HOVE CP-LAST-TRANS-DATE TO DRAFT-LAST-TRANS-DATE.
003190	003187	003186	003103	003181	003179	003178	003177	003175	003174	003173	003172	003170	003169	003167	003166	003165	003164	003162	003161	007160	003158	003157	003156	003154	003153	003152	003151	003149	003148	903147	003145	003144	003143	741500	003140
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9100-LOAD-PAY-TBL.
                                                                                                                                                           9000-EXIT. EXIT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9000-COMMIT-WORK.
                                                                          PROVIDES US WITH THE MOST RECENT OCCURANCE OF AN ENTRY.
                                                                                    LOAD RESTART ENTRIES FROM THE PAY TABLE FILE. EACH RECORD CONTAINS THE INDEX POINTER, SO THAT THE RECORDS CAN BE STORED DIRECTLY WHERE THEY WERE WRITTEN FROM. THIS ALSO
                               OPEN INPUT PAY-TABLE-INPUT MOVE ZERO TO TRANFREE-TBL-ENTRIES. SET NOT-END-OF-TBLIN TO TRUE.
                    READ PAY-TABLE-INPUT INTO TRANFREE-PAY-TABLE-REC
                                                                                                                                                                                  END-EVALUATE.
                                                                                                                                                                                                                                                                                                                                                      EVALUATE TRUE
WHEN SQLCODE = 0
                                                                                                                                                                                                                                                                                                                                                                                          END-EXEC.
                                                                                                                                                                                                                                                                                                                                                                                                                                             EXEC SQL
                                                                                                                                                                                                                                                                                                                                                                                                                                                          NOVE 'UPDATING 1900-PROG-CONTROL' TO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PERFORM TRACKING-NBR-SAVE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PERFORM 9200-WRITE-PAY-TBL THRU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DISPLAY "HHHHWS-TOTALS====>>"
                                                                                                                                                                                                                                                                                                                                                                                               SET PC_LAST_COMMIT_KEY
PC_RESTART_MODE
WHERE PC_PROGRAM_NAME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                THRU TRACKING-NBR-SAVE-EXIT.
SET END-OF-TBLIN TO TRUE
                                                                                                                                                                                                      WHEN SQLCODE IS NEGATIVE
                                                                                                                                                                                                                          WHEN SQLCODE = 100
                                                                                                                                                                                                                 GO TO ERRCHK
                                                                                                                                                                                            GO TO ERRCIN
                                                                                                                                                                                                                                                    END-EXEC
                                                                                                                                                                                                                                                                                                                                            EXEC SQL
                                                                                                                                                                                                                                                                         EXEC SQL
                                                                                                                                                                                                                                                                                                                      END-EXEC
                                                                                                                                                                                                                                                                                             MOVE WS-PREVIOUS-SSN TO SQL-PREV-SSN
                                                                                                                                                                                                                                                               OPEN Tee2
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:PC-RESTART-MODE
:WS-PROGRAM-NAME
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14/20/91	003279	CHECK-EXIT. EXIT.
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04/20/91	003277	
04/20/91	003276	
04/20/91	003275	TOVE CT-TATE-ACCT-MER TO FER-ACCT-MER
04/20/91	003274	
04/20/91	003273	TO THE REAL PROPERTY OF THE PARTY OF THE PAR
04/20/91	003272	
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03/13/91	003270	9200-EXIT. EXIT.
03/13/91	003269	
03/13/91	003268	m Z T C Z Z .
05/25/91	003267	WRITE PAY-TRE-OUTPUT-REC FROM TRANFREE-PAY-TABLE-REC
05/25/91	003266	TO TEX-PAY-TEL-NER
05/25/91	003265	
05/25/91	003264	
05/25/91	003263	
05/25/91	003262	•
05/25/91	003261	
05/25/91	003260	PERFORM VARYING TRANFREE-CURR-ENTRY FROM 1 BY 1
05/25/91	003259	HOVE 1 TO TRANFREE-CURR-ENTRY.
05/13/91	003258	9200-EXITE-PAY-TOL.
03/13/9]	003257	
03/13/91	003256	9100-EXIT. EXIT.
05/25/91	003255	CLOSE PAY-TABLE-INPUT.
93/13/91	003254	
05/25/91	103253	END-TERFORM.
05/25/91	003252	P. P
05/25/91	003251	SET END-OF-TOLIN TO TRUE
05/25/9]	003250	>
05/25/91	003249	REAU FAT FABLE-INFO TRANFREE-PAY-TABLE-REC
05/25/9)	003248	TRU-IF
05/25/9]	003247	MUVE TANYXEE-CUXX-ENTRY TO TRANSFREE-TBL-ENTRIES
05/25/9]	003246	TO TRANSPORT CORX-ROTER THAN TRANSPORT THE GRANTES
05/25/9]	003245	TO TANITACE WOTHER (TRANFREE-CURR-ENTRY)
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05/25/9]	003243	TO TAKE THE PROOF OF TAKENFREE - CURR-ENTRY
03/13/9)	003242	

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